

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100720\
 Data File : VN063979.D
 Acq On : 8 Oct 2020 7:17
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/8/2020 10:10:01 AM

Quant Time: Oct 08 07:38:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	273871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	450487	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	425461	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	206744	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	215116	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
35) Dibromofluoromethane	7.55	113	152942	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
50) Toluene-d8	10.06	98	558979	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
62) 4-Bromofluorobenzene	12.38	95	211177	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	127087	43.978	ug/l	98
3) Chloromethane	2.04	50	148520	43.801	ug/l	99
4) Vinyl Chloride	2.16	62	156099	45.862	ug/l	97
5) Bromomethane	2.52	94	61641	28.792	ug/l	99
6) Chloroethane	2.67	64	101936	50.120	ug/l	97
7) Trichlorofluoromethane	2.98	101	248735	46.078	ug/l	97
8) Diethyl Ether	3.37	74	90413	49.524	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	134453	46.600	ug/l	97
10) Methyl Iodide	3.91	142	103703	30.956	ug/l	99
11) Tert butyl alcohol	4.73	59	162021	324.351	ug/l	99
12) 1,1-Dichloroethene	3.69	96	127926	46.386	ug/l	99
13) Acrolein	3.57	56	59833	195.163	ug/l	98
14) Allyl chloride	4.28	41	261659	51.070	ug/l	91
15) Acrylonitrile	4.93	53	422486	295.474	ug/l	100
16) Acetone	3.78	43	403201	289.490	ug/l	96
17) Carbon Disulfide	4.01	76	344157	46.225	ug/l	100
18) Methyl Acetate	4.28	43	224738	62.147	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	515391	51.439	ug/l	99
20) Methylene Chloride	4.50	84	162796	51.028	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	147184	47.647	ug/l	98
22) Diisopropyl ether	5.90	45	592406	56.199	ug/l	97
23) Vinyl Acetate	5.84	43	2434815	278.839	ug/l	99
24) 1,1-Dichloroethane	5.80	63	302990	50.270	ug/l	99
25) 2-Butanone	6.78	43	615284	311.592	ug/l	99
26) 2,2-Dichloropropane	6.78	77	174532	31.621	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	171909	48.389	ug/l	97
28) Bromochloromethane	7.15	49	158466	53.195	ug/l	98
29) Tetrahydrofuran	7.17	42	422596	319.089	ug/l	96
30) Chloroform	7.33	83	314299	50.012	ug/l	96
31) Cyclohexane	7.61	56	242149	46.099	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	281768	49.708	ug/l	99
36) 1,1-Dichloropropene	7.75	75	220210	48.251	ug/l	99
37) Ethyl Acetate	6.88	43	256006	56.460	ug/l	99
38) Carbon Tetrachloride	7.73	117	246642	48.194	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	199620	43.860	ug/l	98
40) Benzene	8.00	78	660215	50.647	ug/l	100
41) Methacrylonitrile	7.12	41	117092	58.104	ug/l #	91
42) 1,2-Dichloroethane	8.08	62	274587	49.347	ug/l	100
43) Isopropyl Acetate	8.13	43	425683	56.917	ug/l #	92
44) Trichloroethene	8.80	130	162743	47.648	ug/l	99
45) 1,2-Dichloropropane	9.08	63	182143	51.738	ug/l	99
46) Dibromomethane	9.17	93	122229	50.329	ug/l	98
47) Bromodichloromethane	9.37	83	256950	51.336	ug/l	99
48) Methyl methacrylate	9.16	41	212904	57.617	ug/l	92
49) 1,4-Dioxane	9.17	88	62341	1187.085	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1353834	308.456	ug/l	100
52) Toluene	10.13	92	411251	51.005	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	259317	48.332	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	273444	48.732	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	170313	52.671	ug/l	97
56) Ethyl methacrylate	10.40	69	255978	55.849	ug/l	95
57) 1,3-Dichloropropane	10.68	76	289923	52.997	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	679705	277.238	ug/l	99
59) 2-Hexanone	10.72	43	998474	306.236	ug/l	100
60) Dibromochloromethane	10.87	129	196947	52.300	ug/l	100
61) 1,2-Dibromoethane	10.98	107	174349	52.711	ug/l	98
64) Tetrachloroethene	10.60	164	149897	45.538	ug/l	99
65) Chlorobenzene	11.41	112	432585	49.566	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	174677	52.207	ug/l	99
67) Ethyl Benzene	11.49	91	803370	50.587	ug/l	99
68) m/p-Xylenes	11.59	106	593976	100.354	ug/l	100
69) o-Xylene	11.92	106	280985	50.792	ug/l	100
70) Styrene	11.94	104	494661	52.676	ug/l	99
71) Bromoform	12.10	173	139011	54.323	ug/l #	100
73) Isopropylbenzene	12.23	105	752993	49.934	ug/l	99
74) N-amyl acetate	12.04	43	374932	53.340	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	248780	53.951	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	233393m	51.211	ug/l	
77) Bromobenzene	12.50	156	188326	50.896	ug/l	98
78) n-propylbenzene	12.57	91	866168	49.355	ug/l	100
79) 2-Chlorotoluene	12.65	91	534968	49.564	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	637885	50.421	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	72917	46.081	ug/l	99
82) 4-Chlorotoluene	12.75	91	558960	49.886	ug/l	99
83) tert-Butylbenzene	12.97	119	507998	49.090	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	652695	51.674	ug/l	99
85) sec-Butylbenzene	13.15	105	659103	48.492	ug/l	99
86) p-Isopropyltoluene	13.26	119	600280	49.923	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	334059	49.903	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	331296	47.532	ug/l	99
89) n-Butylbenzene	13.59	91	496087	44.701	ug/l	100
90) Hexachloroethane	13.85	117	115509	49.574	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	333388	50.282	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	57921	53.560	ug/l	96

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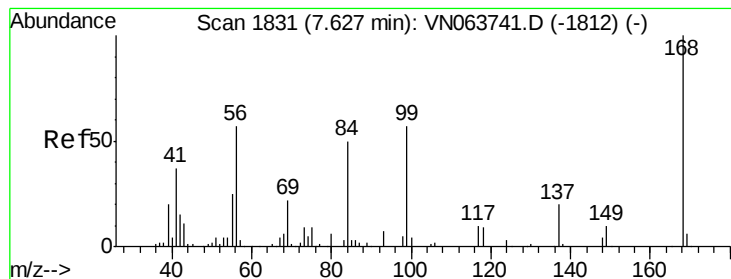
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	157240	43.835	ug/l	97
94) Hexachlorobutadiene	14.98	225	85756	47.705	ug/l	97
95) Naphthalene	15.10	128	486508	43.857	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	155075	44.525	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 273871

Ion Ratio Lower Upper

168 100

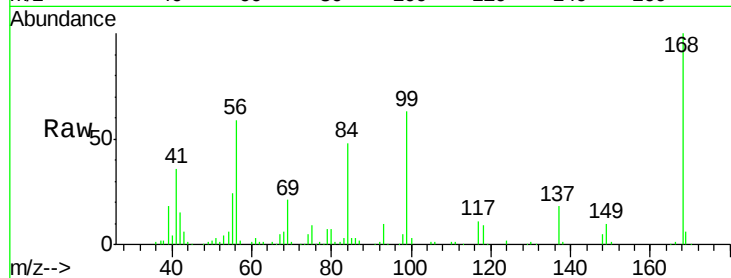
99 62.5 51.8 77.6

Manual Integrations

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10/8/2020 10:10:01 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

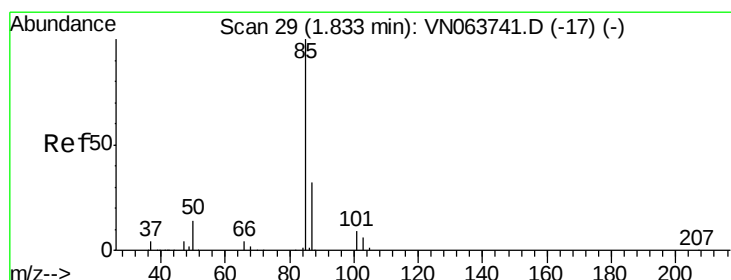
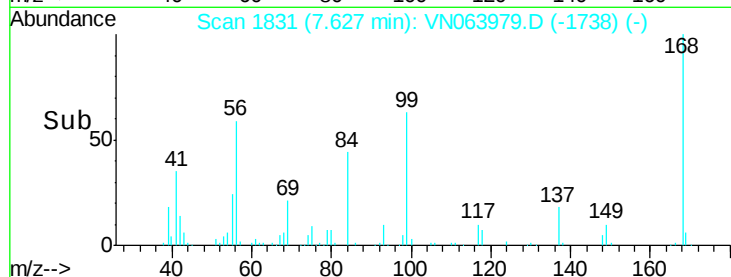
7.63

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.978 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063979.D

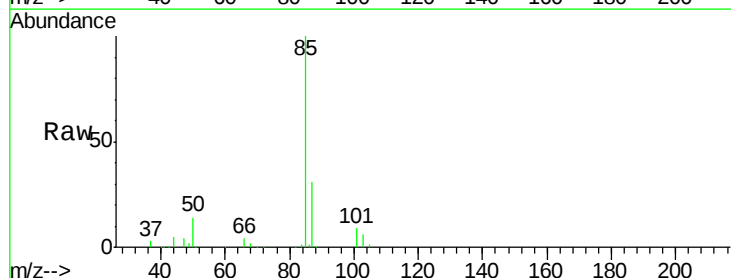
Acq: 8 Oct 2020 7:17

Tgt Ion: 85 Resp: 127087

Ion Ratio Lower Upper

85 100

87 31.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

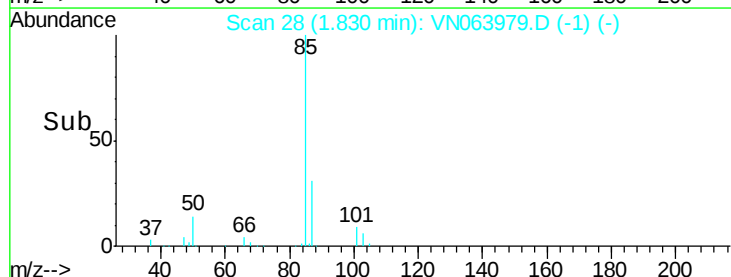
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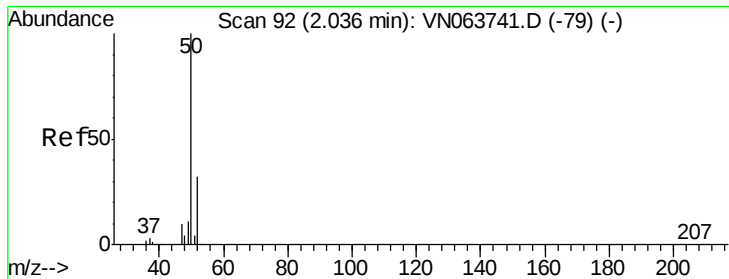
40000

20000

0

Time-->





#3

Chloromethane

Concen: 43.801 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 148520

Ion Ratio Lower Upper

50 100

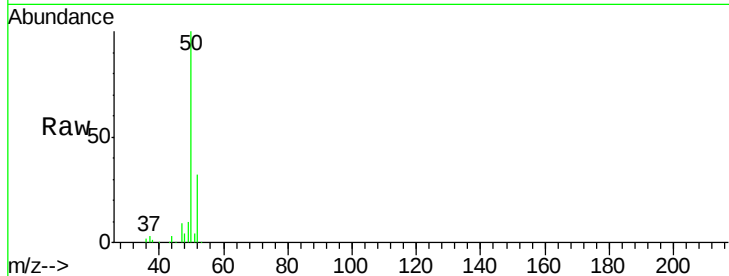
52 31.9 25.8 38.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

120000

100000

80000

60000

40000

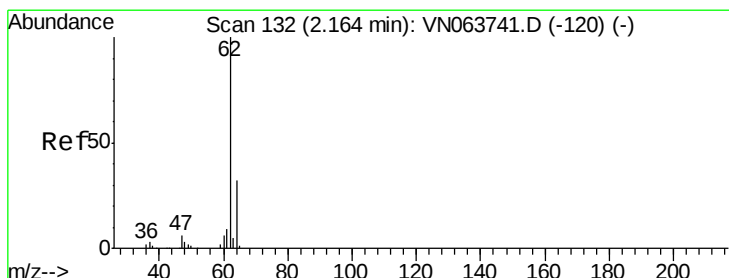
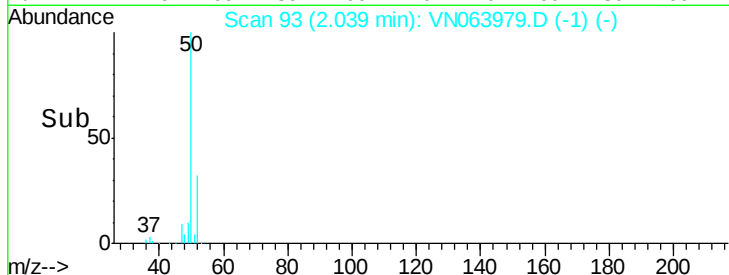
20000

0

2.04

2.00 2.05 2.10

Time-->



#4

Vinyl Chloride

Concen: 45.862 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063979.D

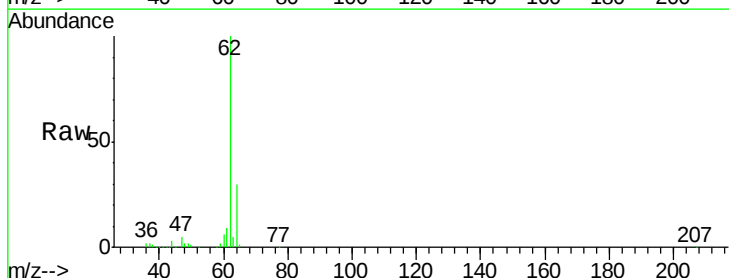
Acq: 8 Oct 2020 7:17

Tgt Ion: 62 Resp: 156099

Ion Ratio Lower Upper

62 100

64 30.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

120000

100000

80000

60000

40000

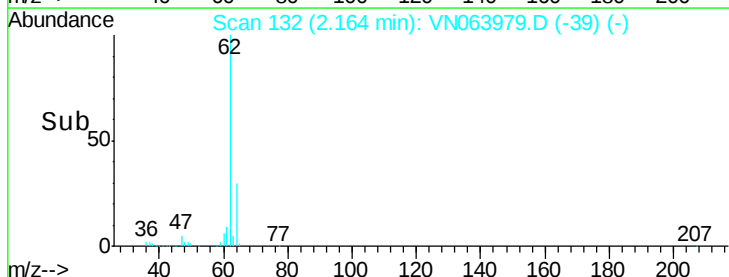
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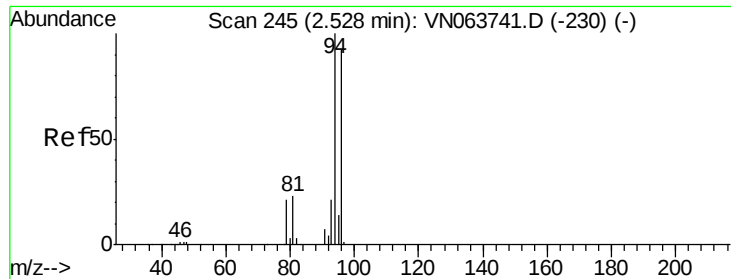
0

2.16

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 28.792 ug/l

RT: 2.52 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

Instrument :

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Tot Ion: 94 Resp: 61641

Ion Ratio Lower Upper

94 100

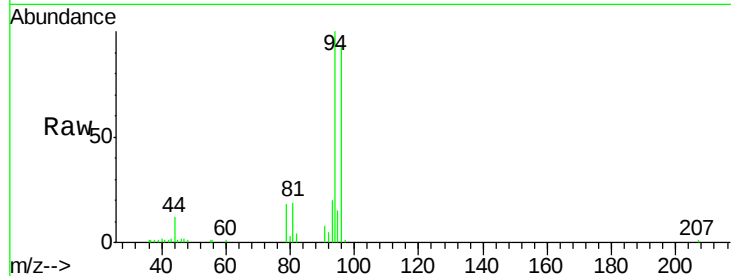
96 92.5 73.3 109.9

Manual Integrations

APPROVED

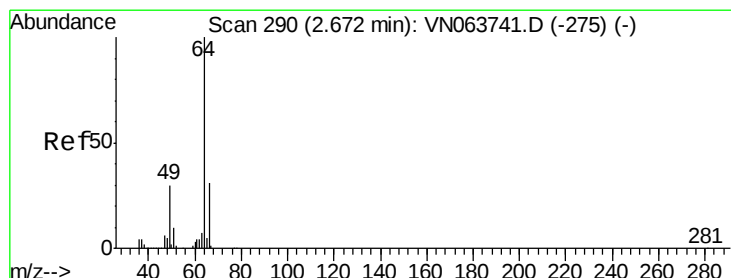
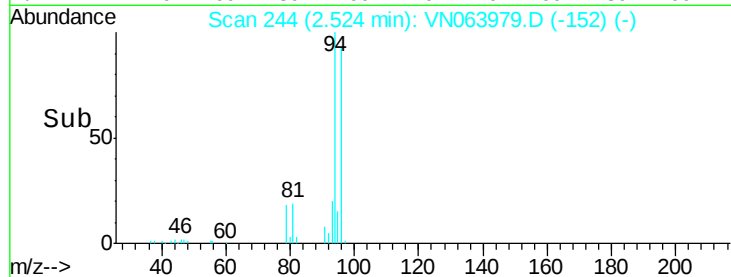
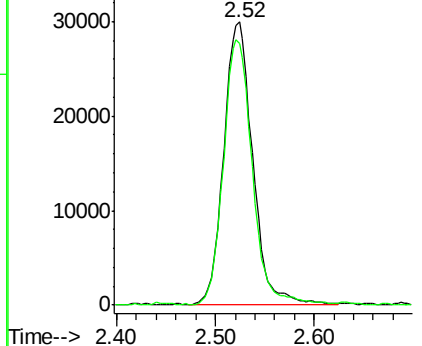
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10/8/2020 10:10:01 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 50.120 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN063979.D

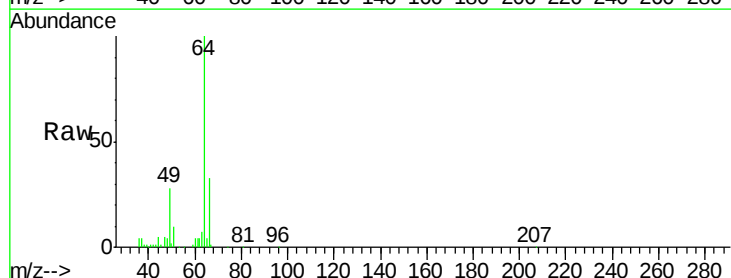
Acq: 8 Oct 2020 7:17

Tgt Ion: 64 Resp: 101936

Ion Ratio Lower Upper

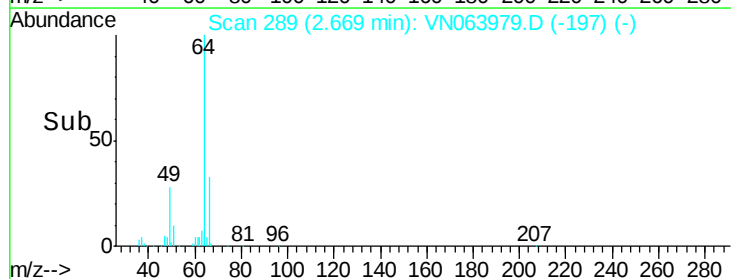
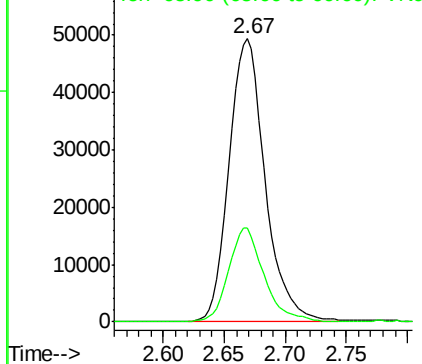
64 100

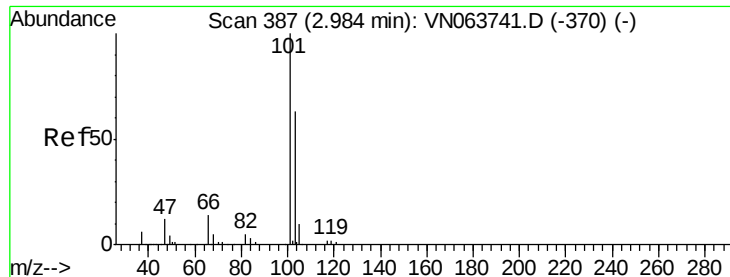
66 33.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

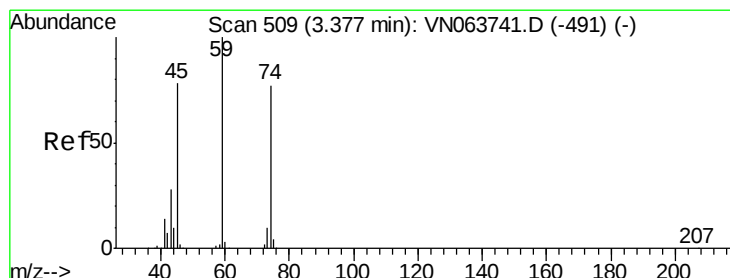
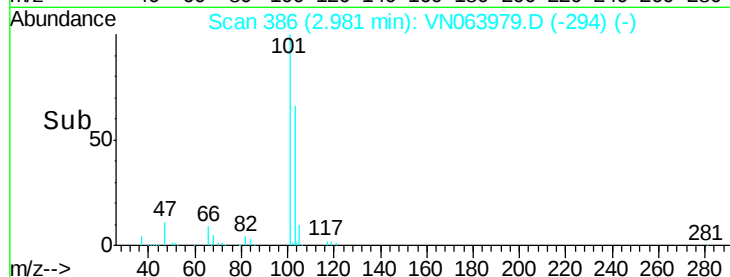
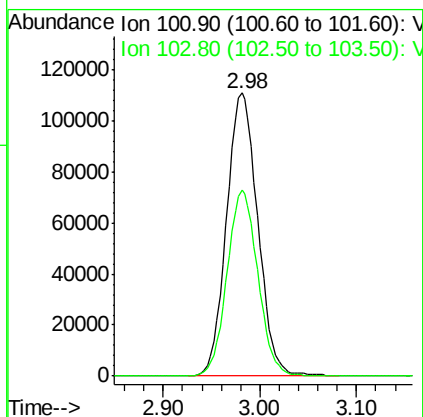
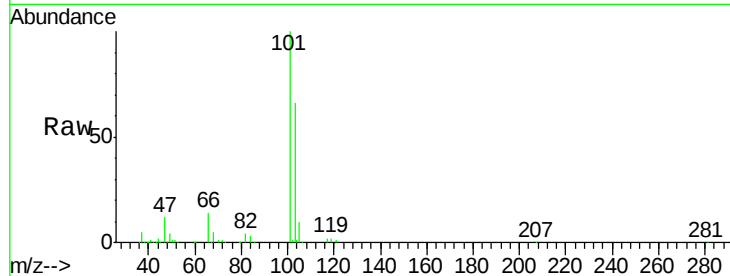
Trichlorofluoromethane
 Concen: 46.078 ug/l
 RT: 2.98 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN063979.D
 Acq: 8 Oct 2020 7:17

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		248735		
103	65.6	50.7	76.1		

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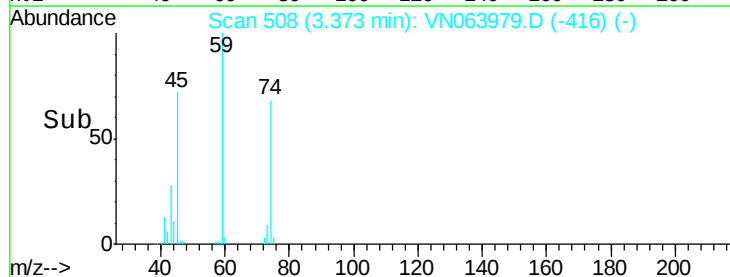
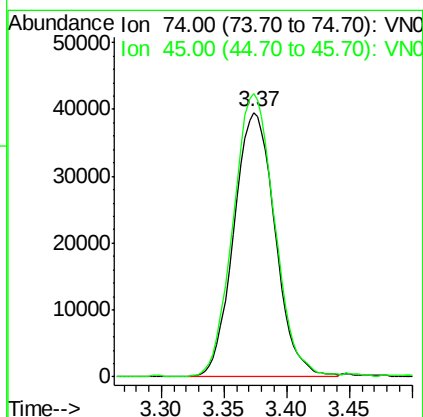
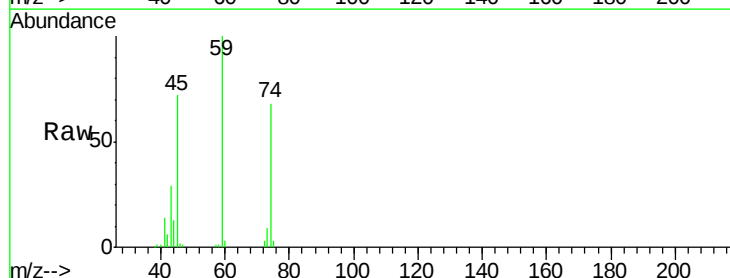
MMDadoda
 10/8/2020 10:10:01 AM

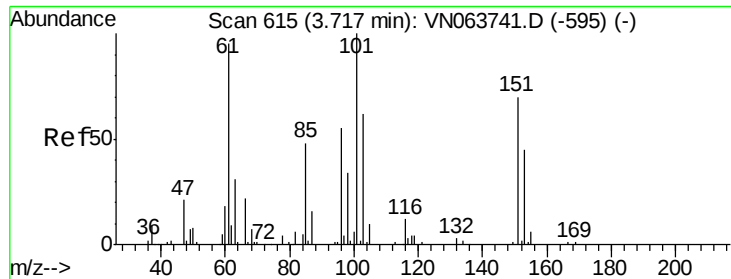


#8

Diethyl Ether
 Concen: 49.524 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063979.D
 Acq: 8 Oct 2020 7:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		90413		
45	108.2	50.9	152.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.600 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN063979.D

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Instrument :

MSVOA_N

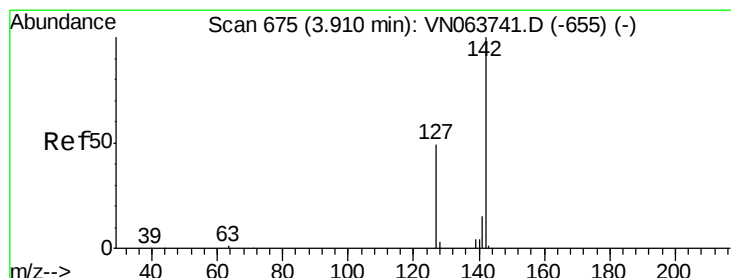
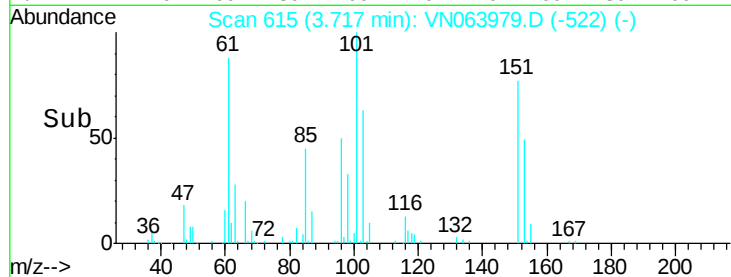
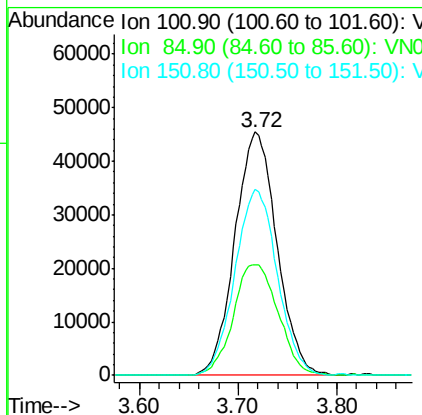
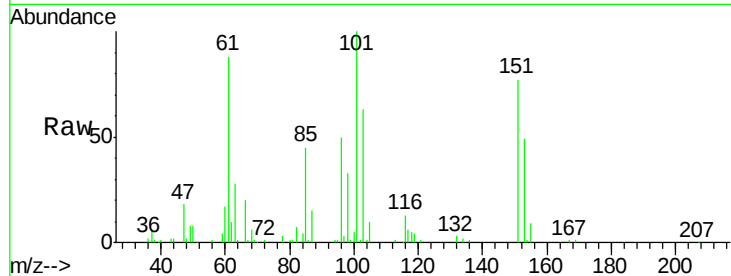
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	134453
Ion Ratio	Lower	Upper	
101	100		
85	48.6	38.6	58.0
151	76.8	58.7	88.1

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#10

Methyl Iodide

Concen: 30.956 ug/l

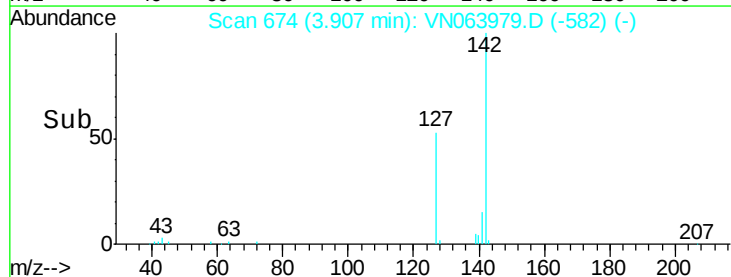
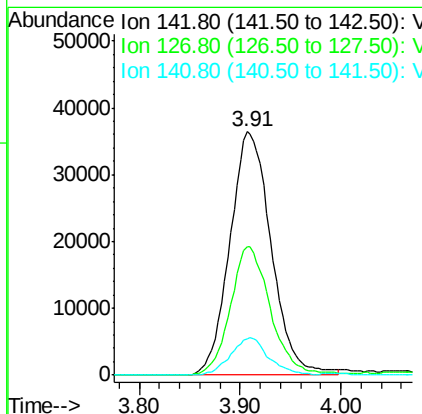
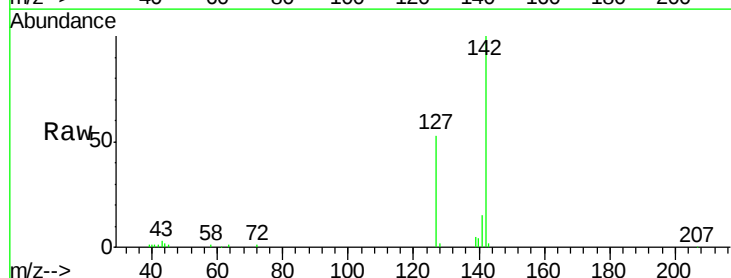
RT: 3.91 min Scan# 674

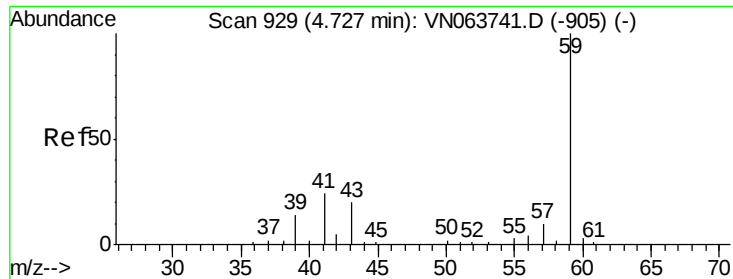
Delta R.T. -0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

Tgt Ion:	142	Resp:	103703
Ion Ratio	Lower	Upper	
142	100		
127	51.1	40.5	60.7
141	14.1	11.7	17.5





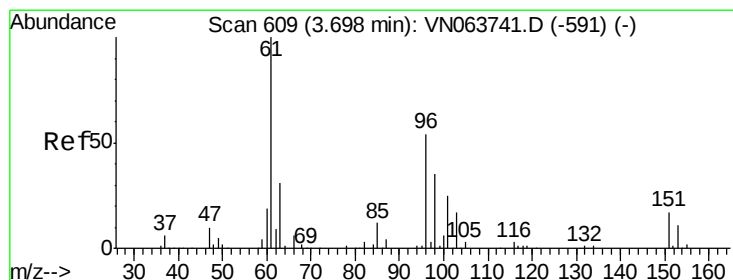
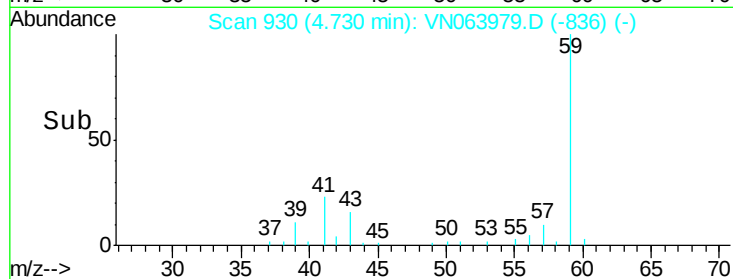
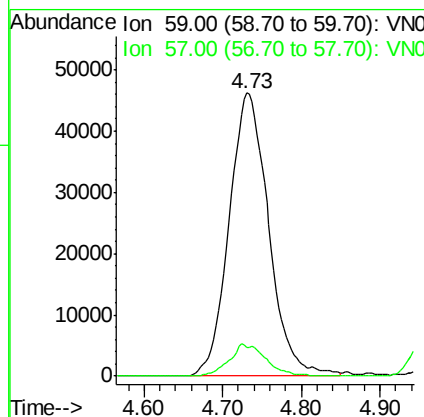
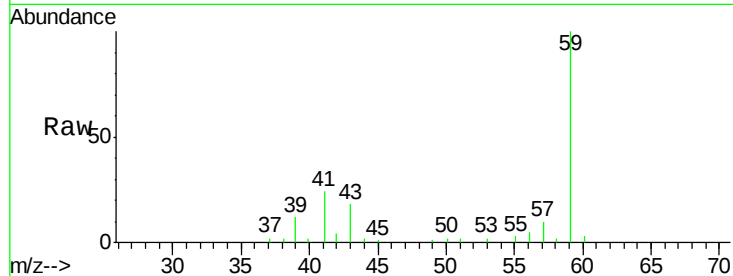
#11
Tert butyl alcohol
Concen: 324.351 ug/l
RT: 4.73 min Scan# 930
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 162021
Ion Ratio Lower Upper
59 100
57 10.3 8.7 13.1

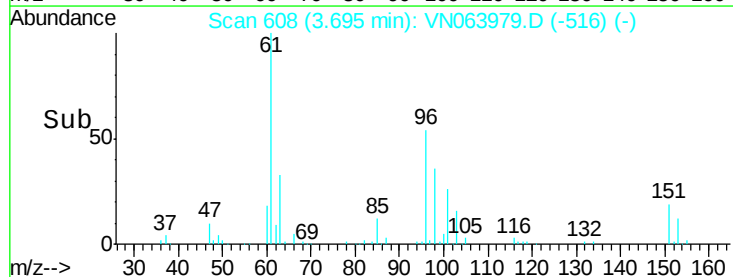
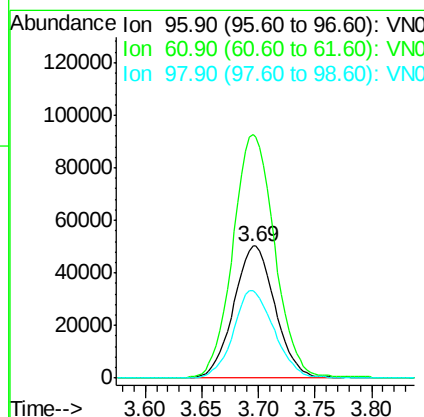
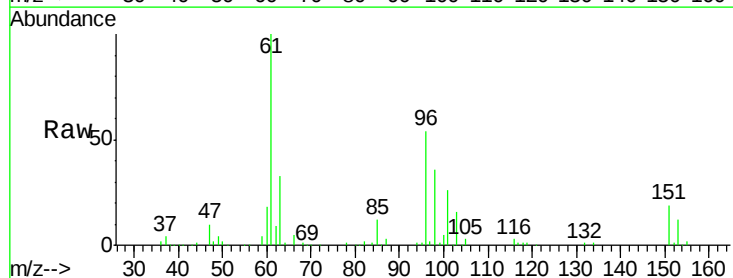
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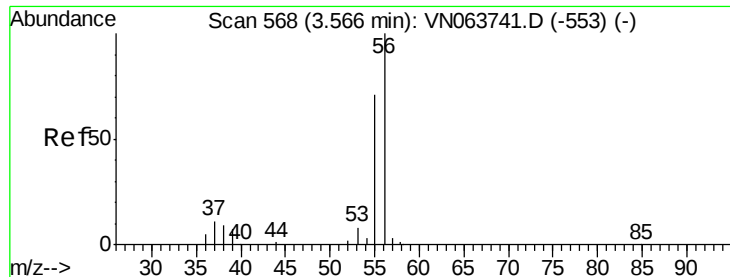
MMDadoda
10/8/2020 10:10:01 AM



#12
1,1-Dichloroethene
Concen: 46.386 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Tgt Ion: 96 Resp: 127926
Ion Ratio Lower Upper
96 100
61 183.2 147.7 221.5
98 66.0 51.9 77.9





#13

Acrolein

Concen: 195.163 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 59833

Ion Ratio Lower Upper

56 100

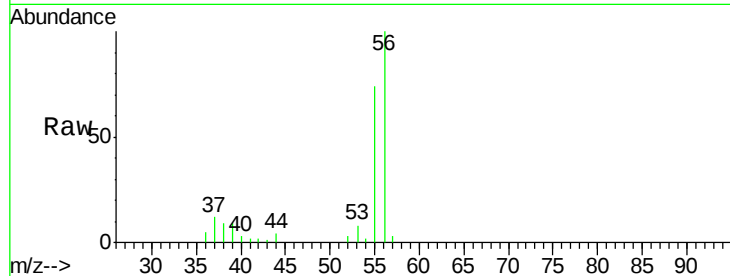
55 72.7 56.9 85.3

Manual Integrations

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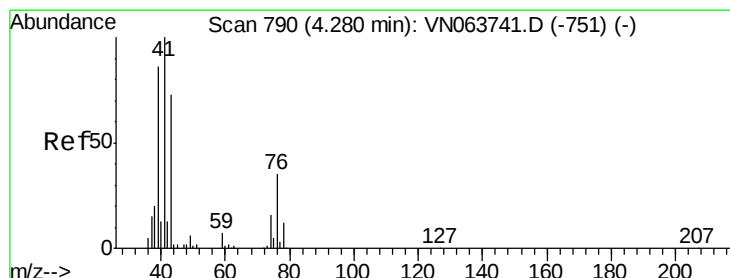
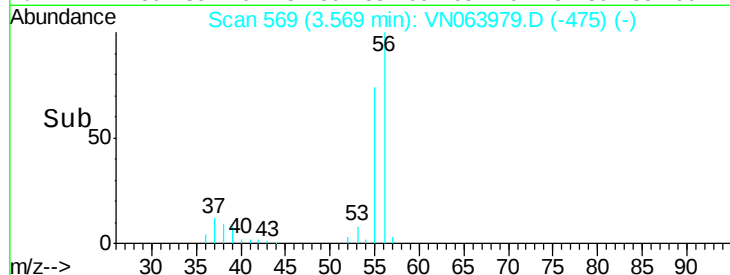
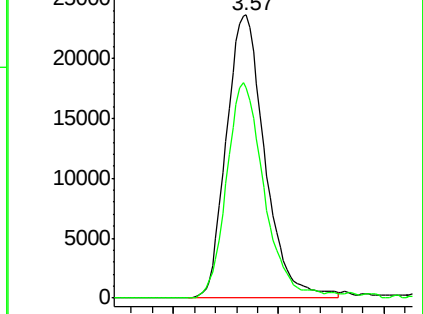
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 51.070 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

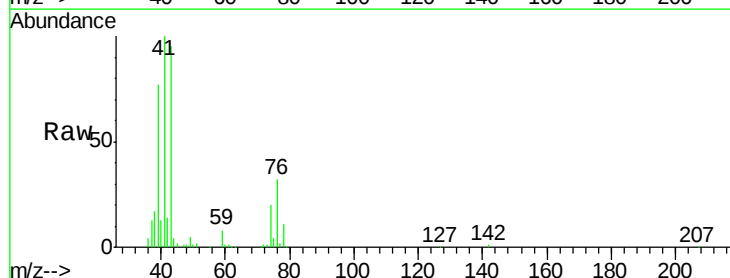
Tgt Ion: 41 Resp: 261659

Ion Ratio Lower Upper

41 100

39 71.7 64.5 96.7

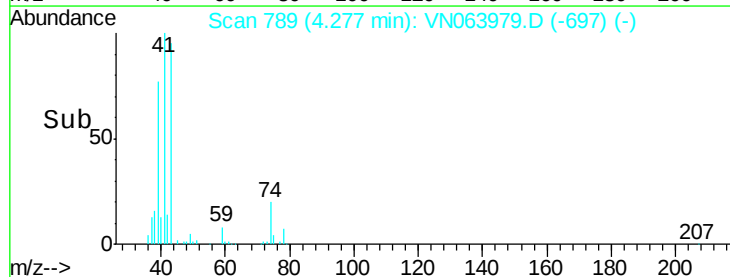
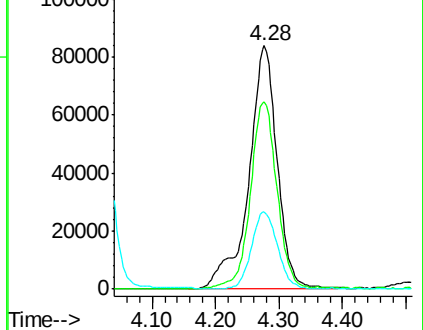
76 28.4 25.9 38.9

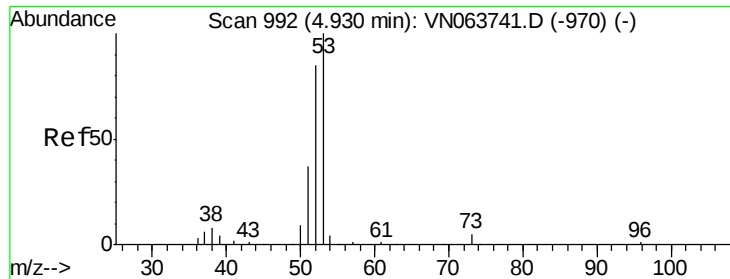


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 295.474 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

Instrument :

MSVOA_N

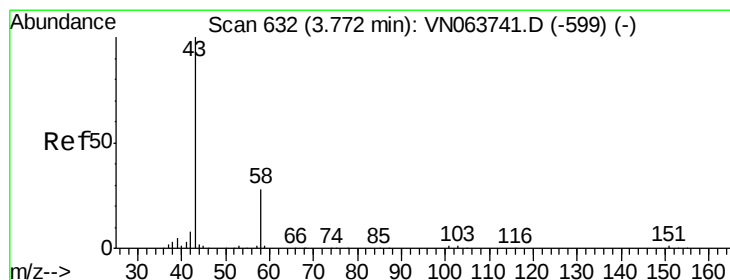
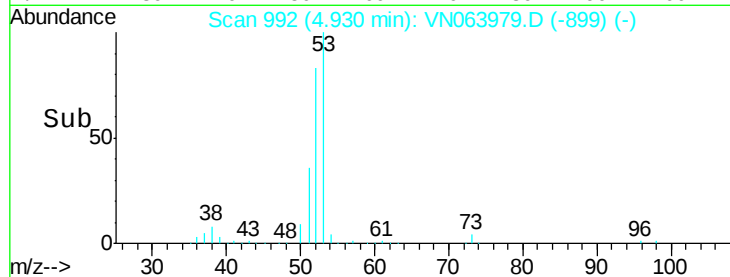
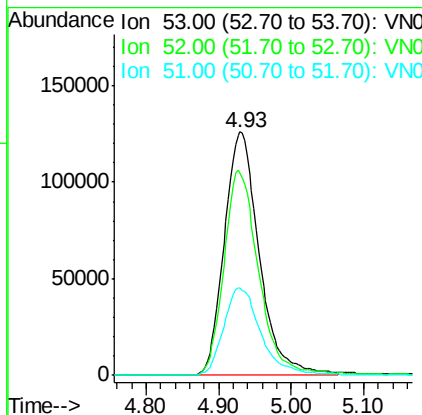
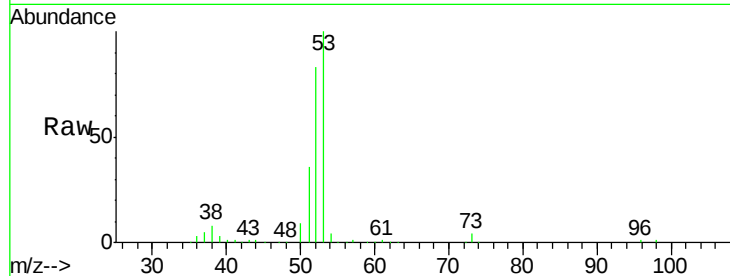
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	422486
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.5	99.7
51	38.2	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 289.490 ug/l

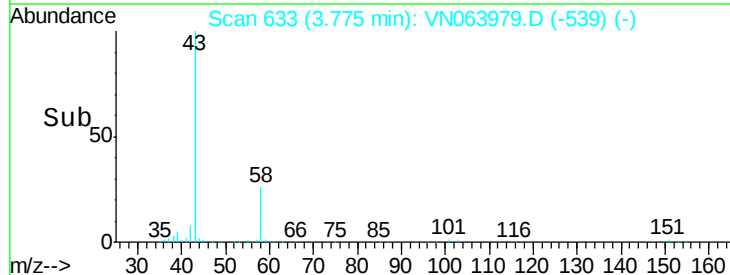
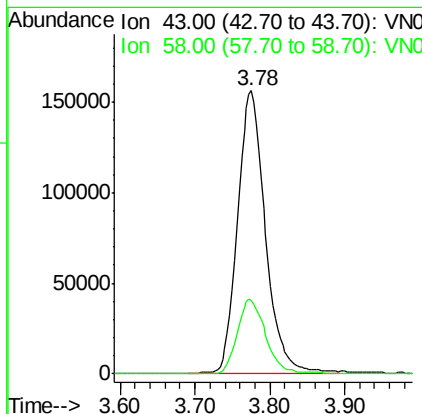
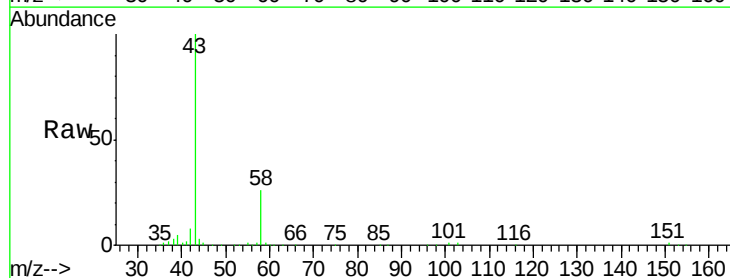
RT: 3.78 min Scan# 633

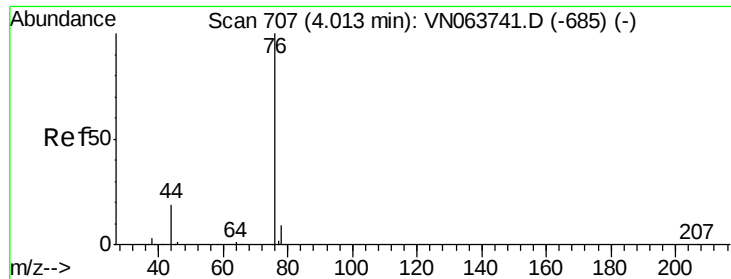
Delta R.T. 0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

Tgt Ion:	43	Resp:	403201
Ion	Ratio	Lower	Upper
43	100		
58	25.9	22.3	33.5





#17

Carbon Disulfide

Concen: 46.225 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 344157

Ion Ratio Lower Upper

76 100

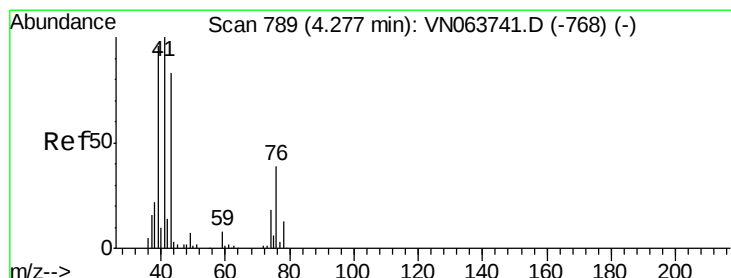
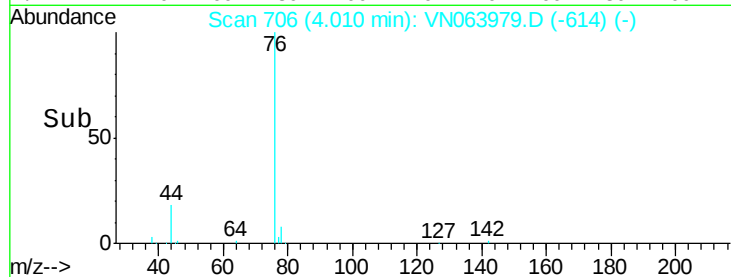
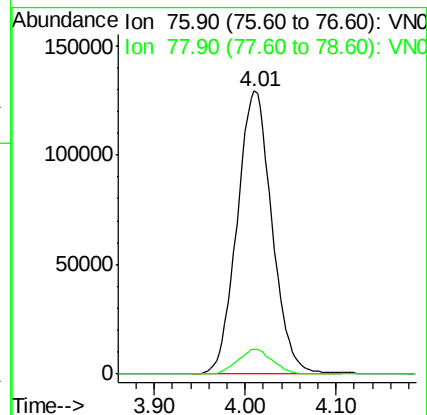
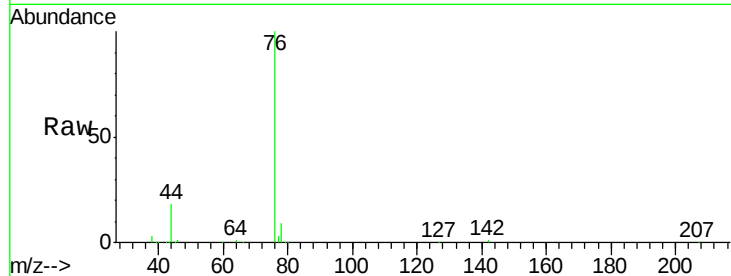
78 8.7 7.0 10.4

Manual Integrations

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#18

Methyl Acetate

Concen: 62.147 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN063979.D

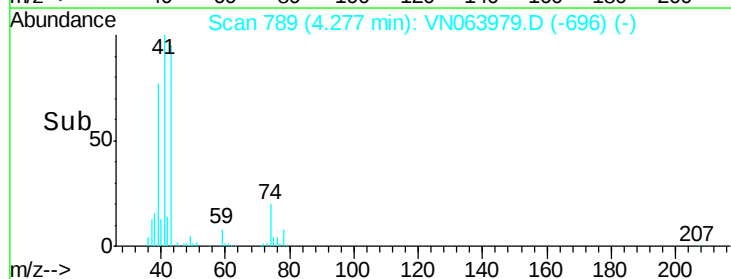
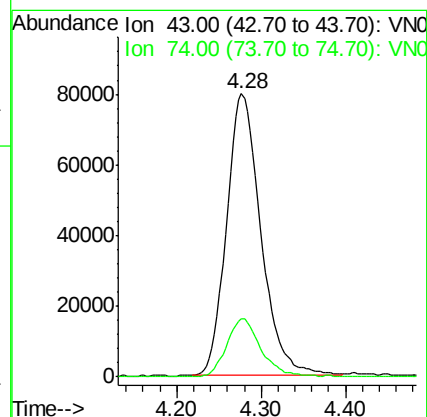
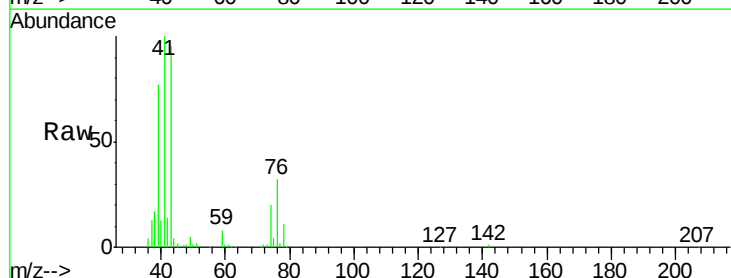
Acq: 8 Oct 2020 7:17

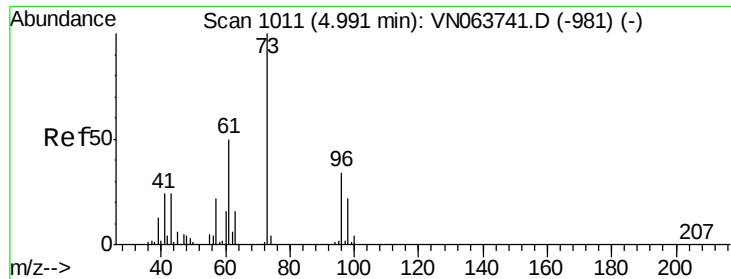
Tgt Ion: 43 Resp: 224738

Ion Ratio Lower Upper

43 100

74 20.6 17.4 26.2





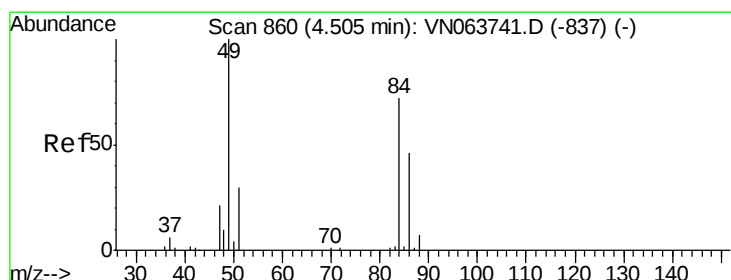
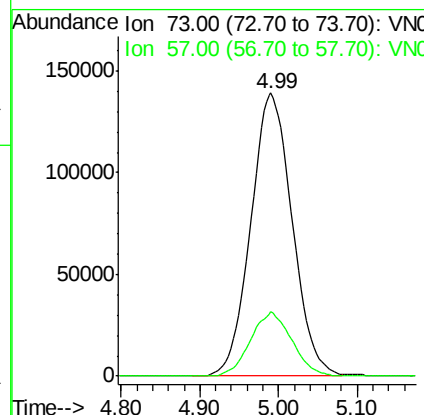
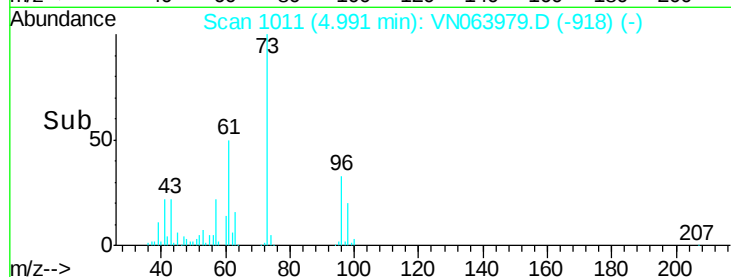
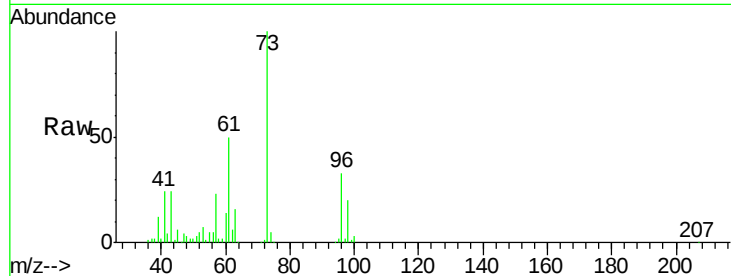
#19
Methvl tert-butvl Ether
Concen: 51.439 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 515391
Ion Ratio Lower Upper
73 100
57 22.6 17.6 26.4

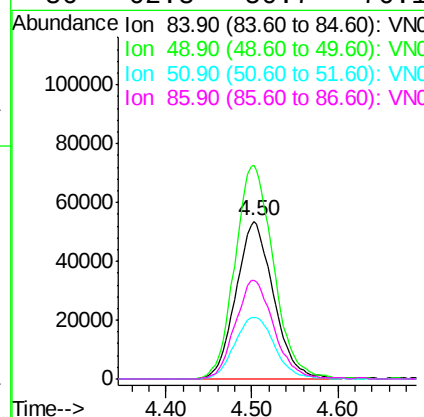
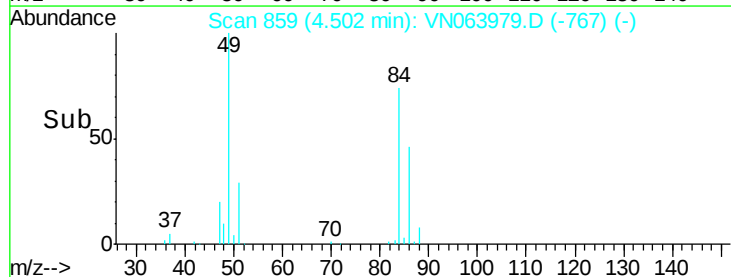
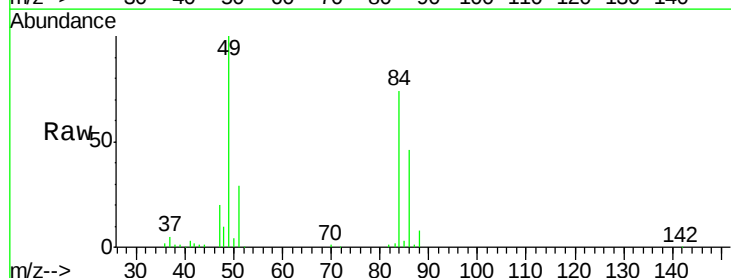
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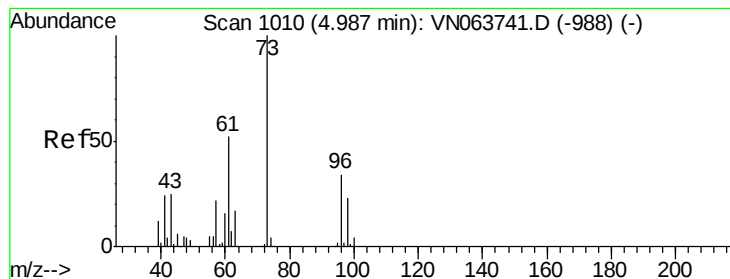
MMDadoda
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#20
Methylene Chloride
Concen: 51.028 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Tgt Ion: 84 Resp: 162796
Ion Ratio Lower Upper
84 100
49 134.9 110.4 165.6
51 38.9 33.3 49.9
86 62.8 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 47.647 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

Instrument :

MSVOA_N

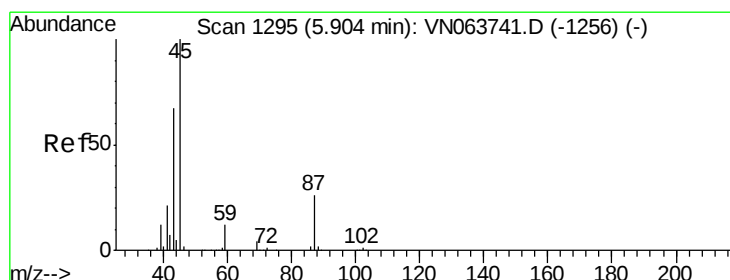
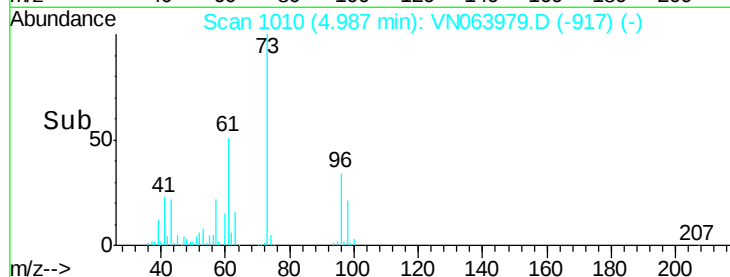
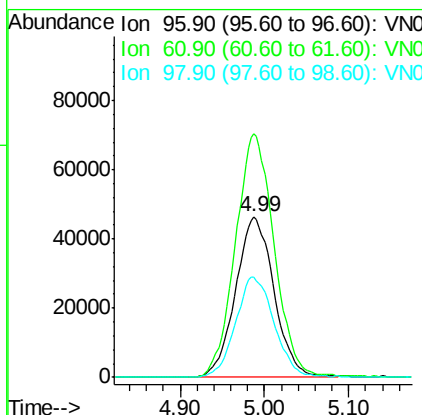
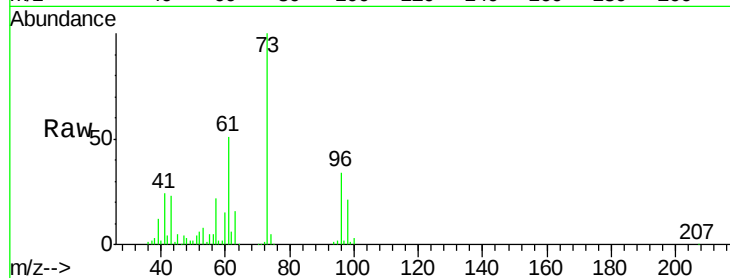
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	147184
Ion	Ratio	Lower	Upper
96	100		
61	151.6	120.2	180.2
98	62.2	52.6	79.0

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#22

Diisopropyl ether

Concen: 56.199 ug/l

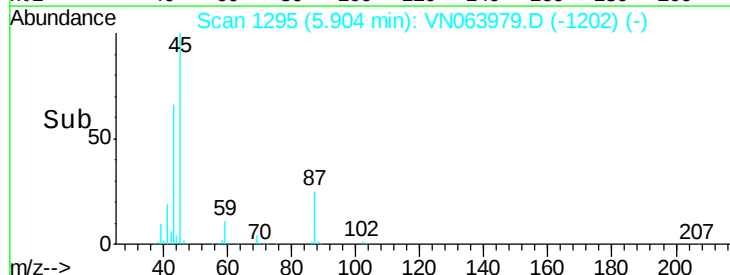
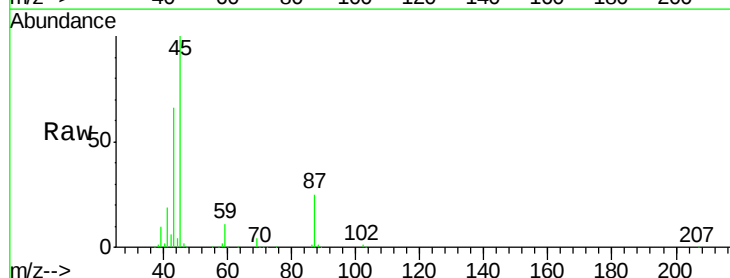
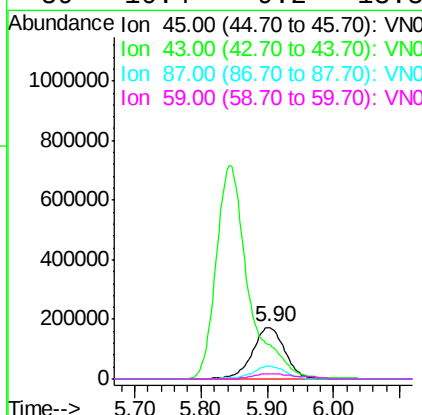
RT: 5.90 min Scan# 1295

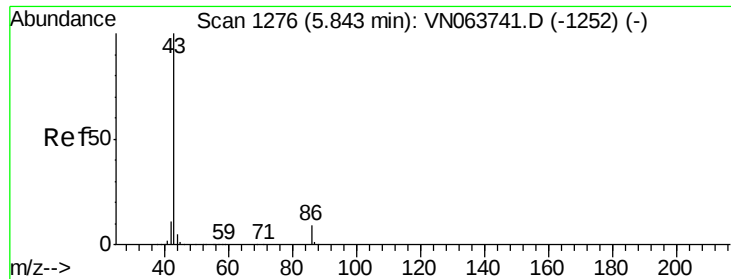
Delta R.T. 0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

Tgt Ion:	45	Resp:	592406
Ion	Ratio	Lower	Upper
45	100		
43	65.3	53.7	80.5
87	24.6	21.1	31.7
59	10.4	9.2	13.8





#23

Vinyl Acetate

Concen: 278.839 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2434815

Ion Ratio Lower Upper

43 100

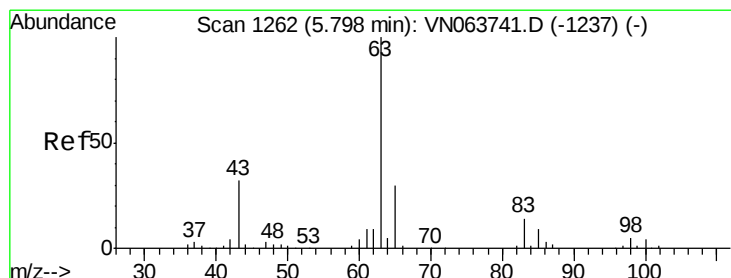
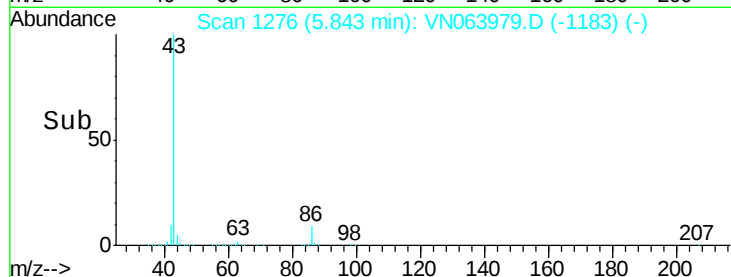
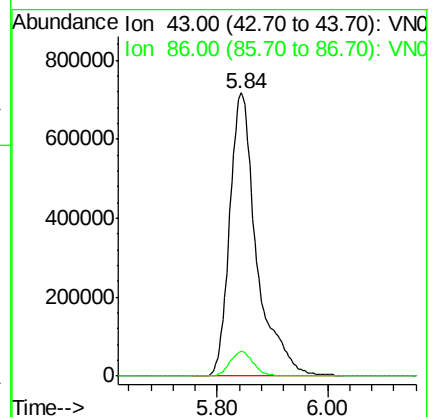
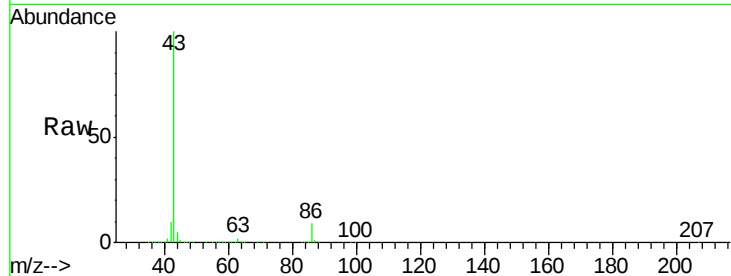
86 8.7 7.3 10.9

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 50.270 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

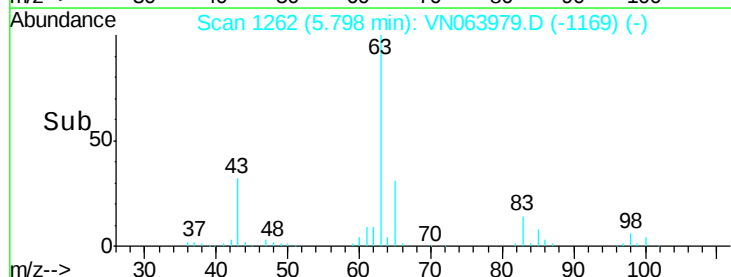
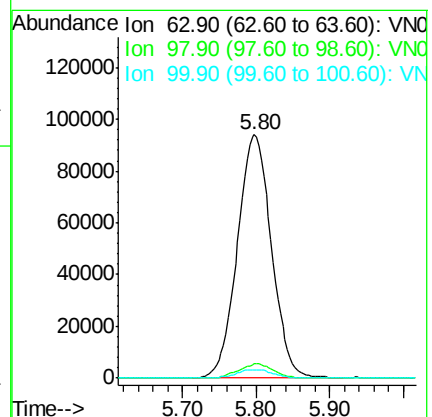
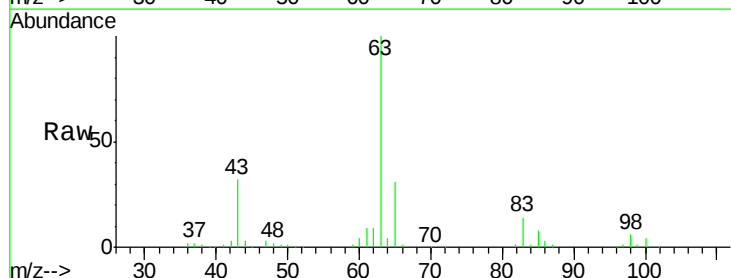
Tgt Ion: 63 Resp: 302990

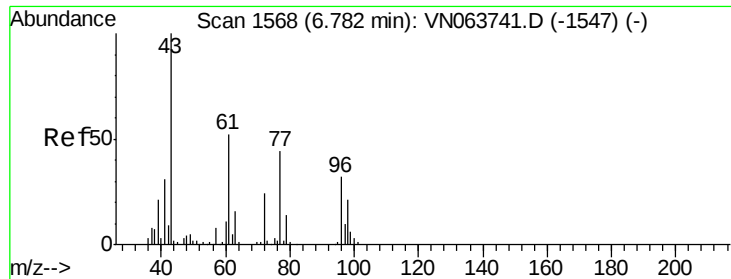
Ion Ratio Lower Upper

63 100

98 5.7 2.7 8.1

100 3.6 1.9 5.7





#25

2-Butanone

Concen: 311.592 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 615284

Ion Ratio Lower Upper

43 100

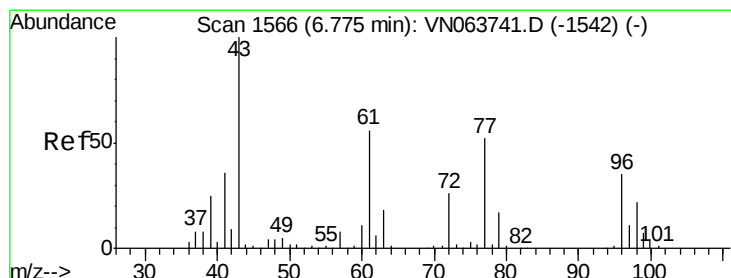
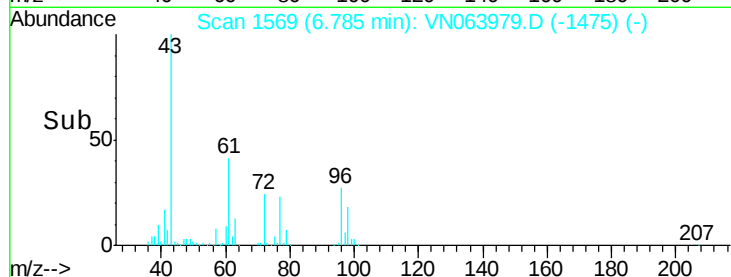
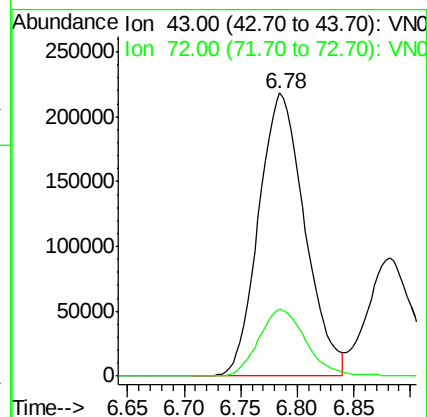
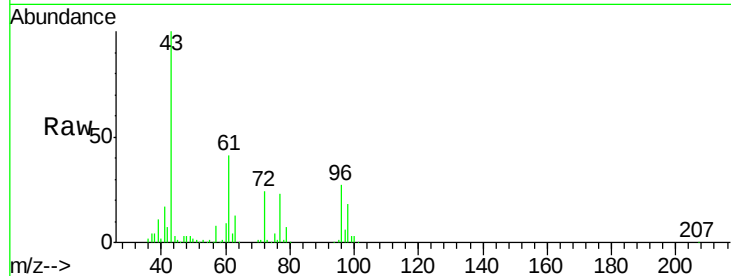
72 23.8 19.3 28.9

Manual Integrations

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MMDadoda

10/8/2020 10:10:01 AM



#26

2,2-Dichloropropane

Concen: 31.621 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN063979.D

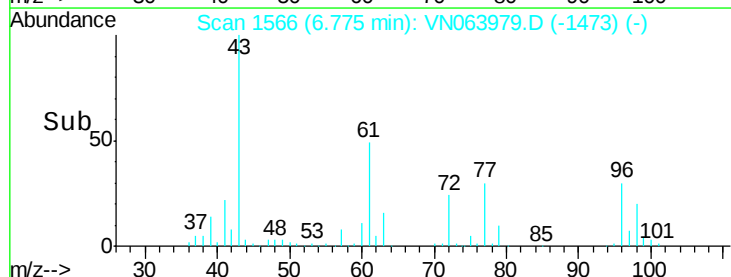
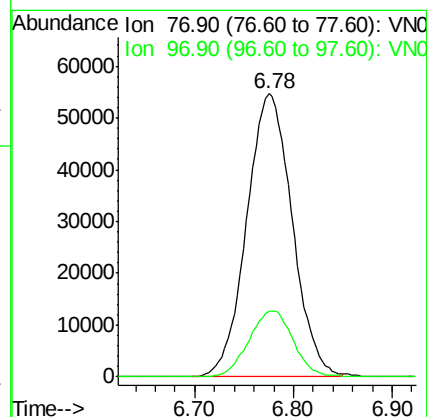
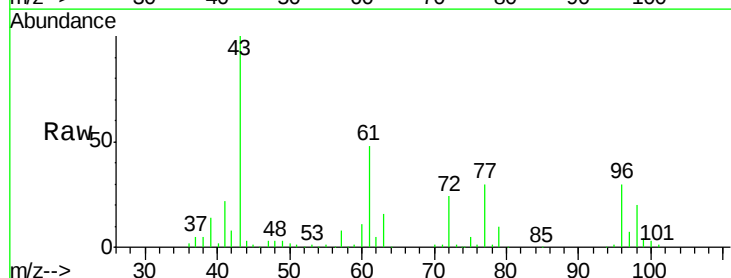
Acq: 8 Oct 2020 7:17

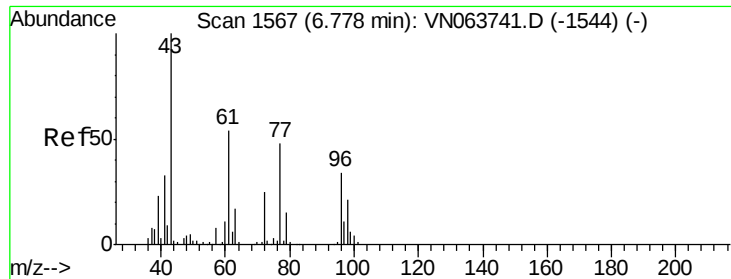
Tgt Ion: 77 Resp: 174532

Ion Ratio Lower Upper

77 100

97 22.7 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 48.389 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063979.D

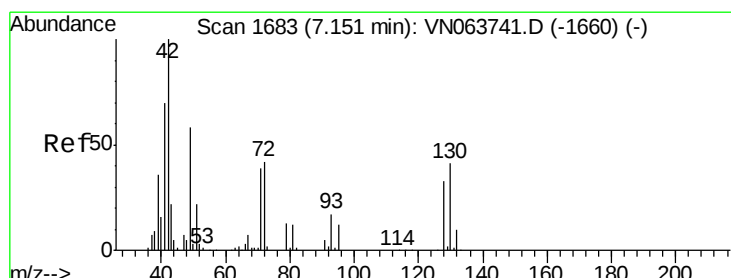
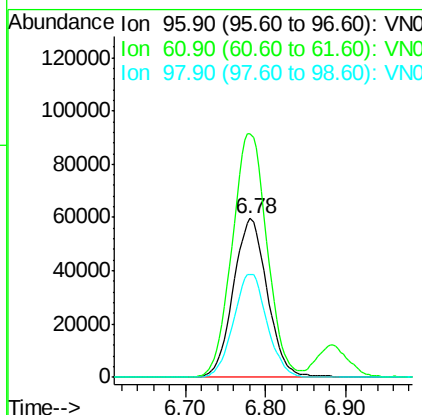
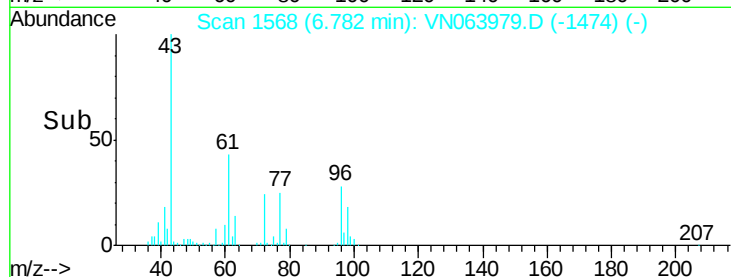
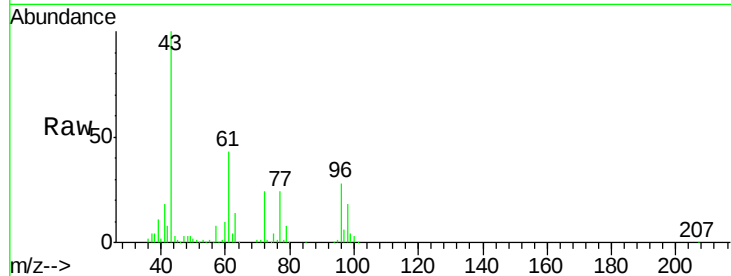
Acq: 8 Oct 2020 7:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	171909		
61	156.8	0.0	321.2	
98	63.8	0.0	124.4	

Manual Integrations
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10/8/2020 10:10:01 AM



#28

Bromochloromethane

Concen: 53.195 ug/l

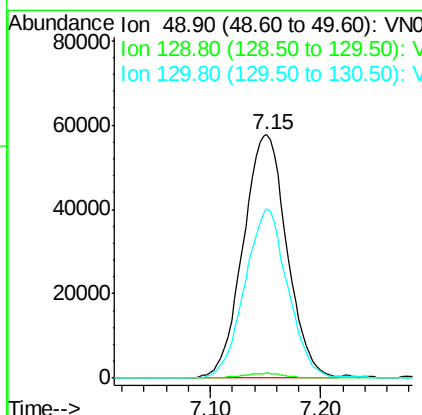
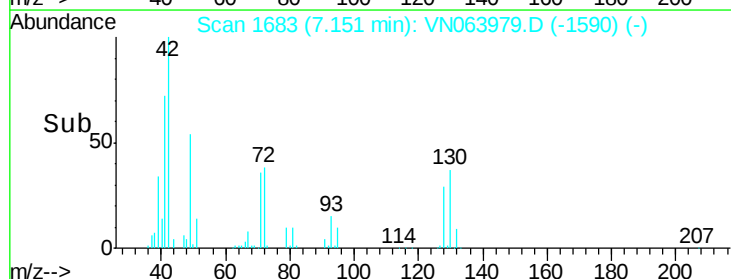
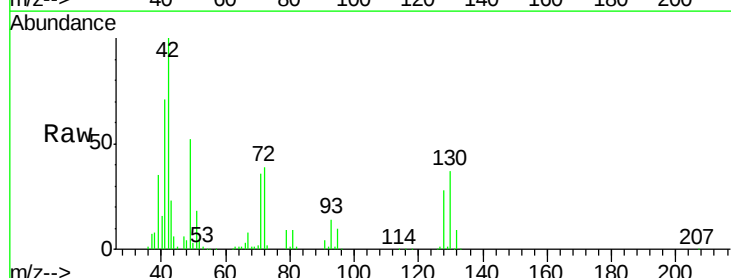
RT: 7.15 min Scan# 1683

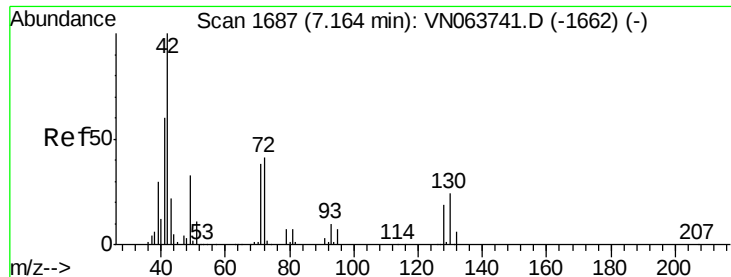
Delta R.T. 0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	158466		
129	1.9	0.0	4.8	
130	68.0	55.6	83.4	





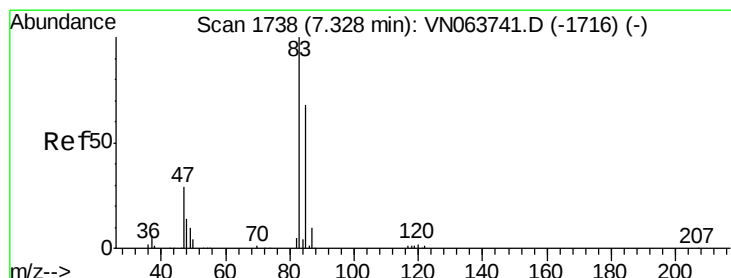
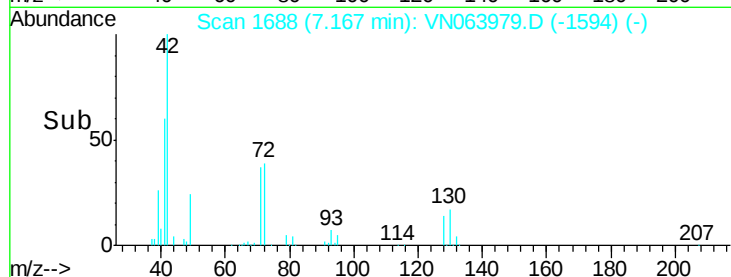
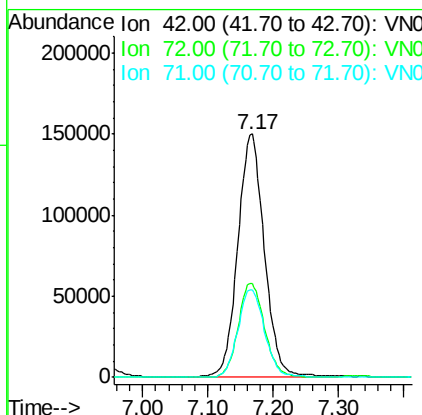
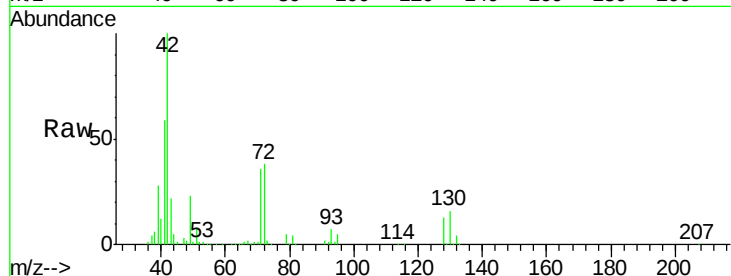
#29
Tetrahydrofuran
Concen: 319.089 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	32.8	49.2
71	36.3	30.6	45.8

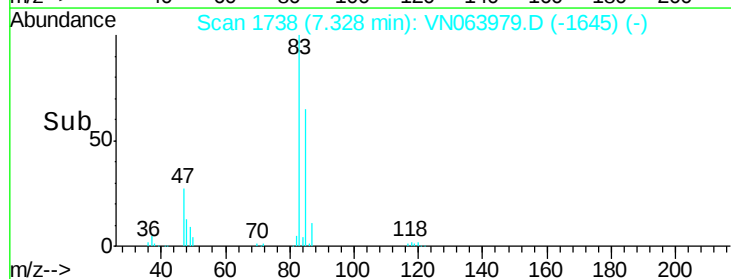
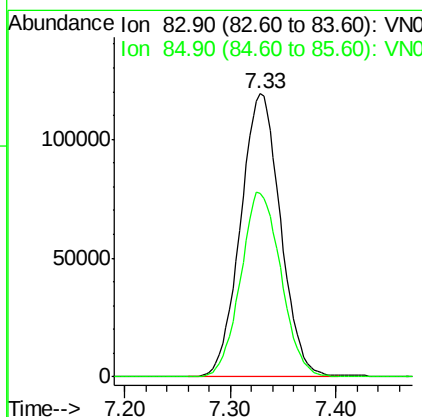
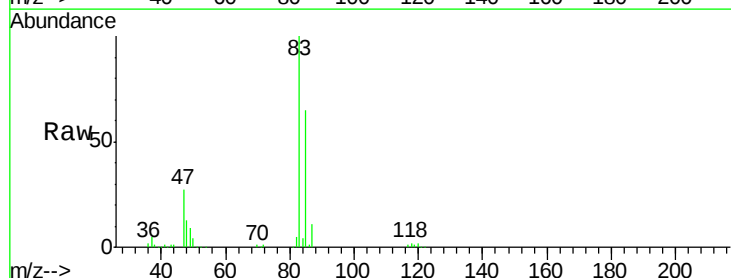
Manual Integrations
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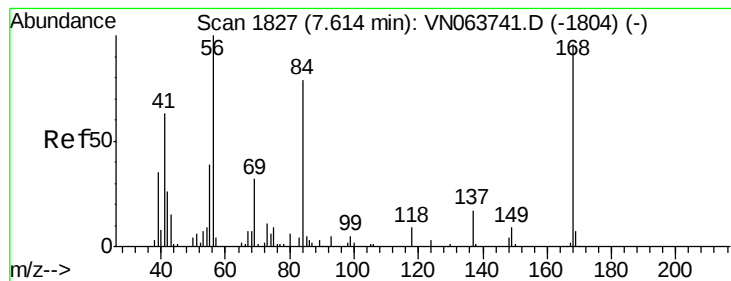
MMDadoda
10/8/2020 10:10:01 AM



#30
Chloroform
Concen: 50.012 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	54.6	82.0





#31

Cyclohexane

Concen: 46.099 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

Instrument :

MSVOA_N

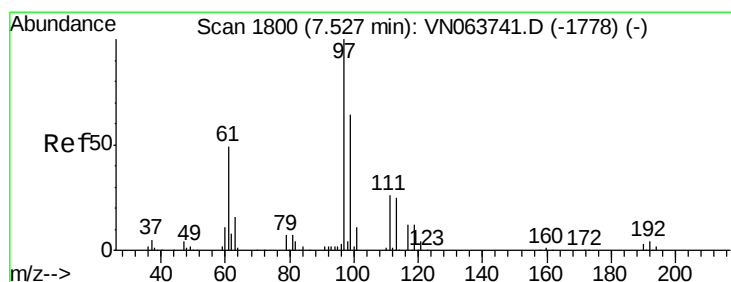
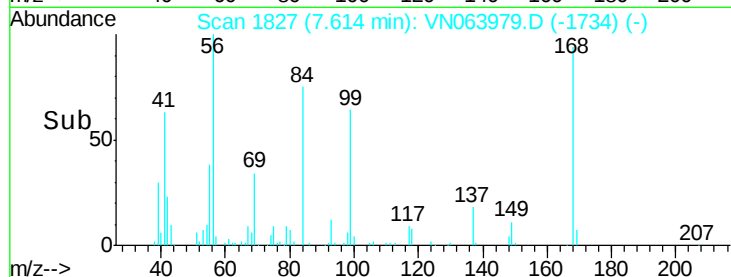
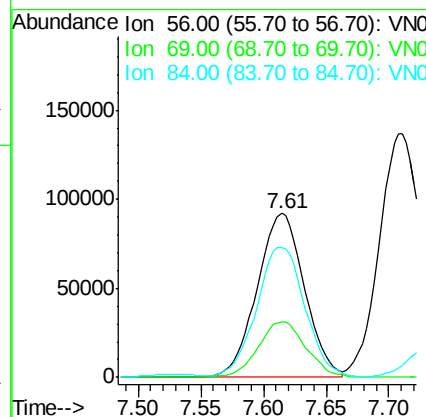
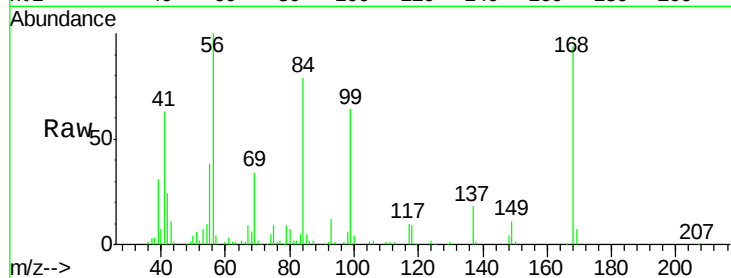
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	242149
Ion Ratio	Lower	Upper	
56	100		
69	34.0	25.4	38.2
84	77.9	63.3	94.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.708 ug/l

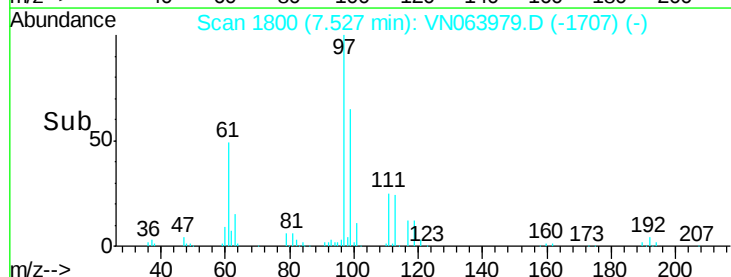
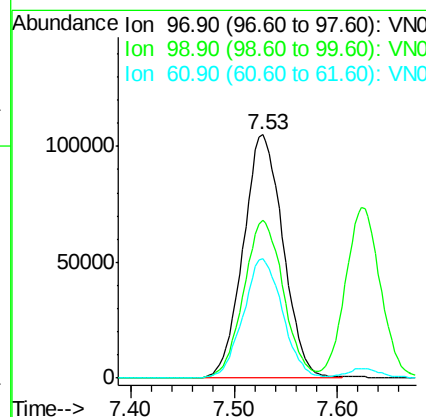
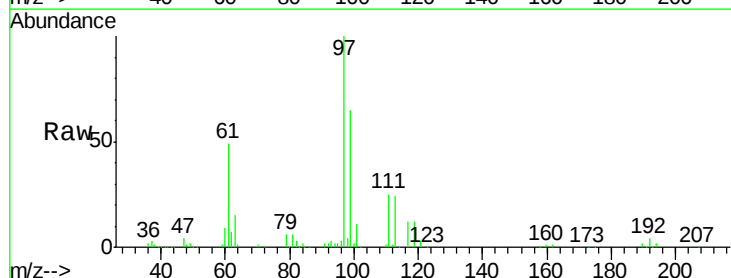
RT: 7.53 min Scan# 1800

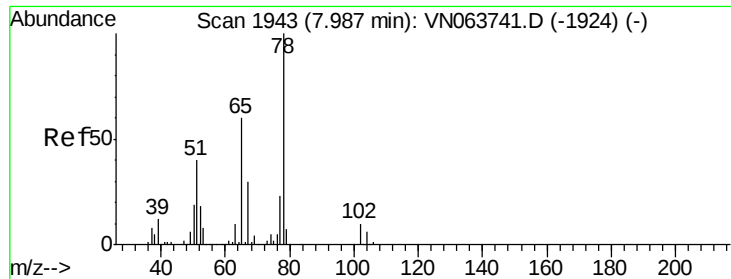
Delta R.T. 0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

Tgt Ion:	97	Resp:	281768
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.0	76.6
61	48.4	38.7	58.1





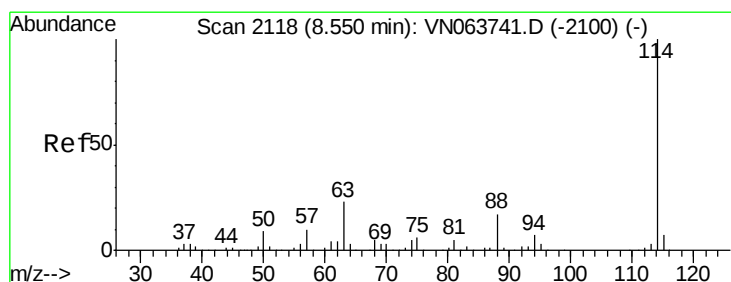
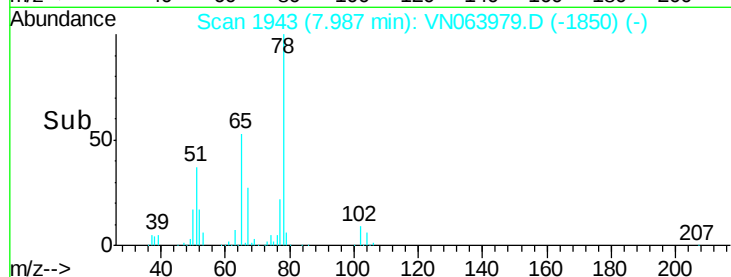
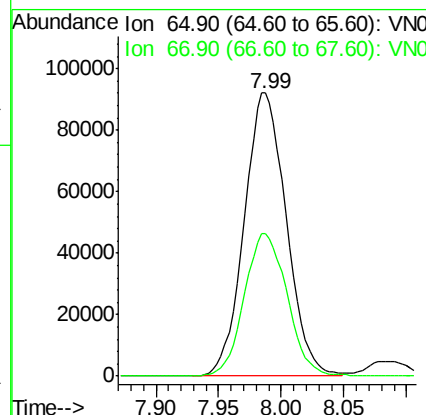
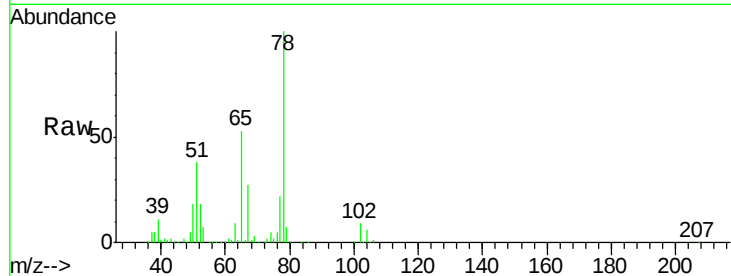
#33
 1,2-Dichloroethane-d4
 Concen: 47.544 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063979.D
 Acq: 8 Oct 2020 7:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	215116		
67	51.5	0.0	99.6	

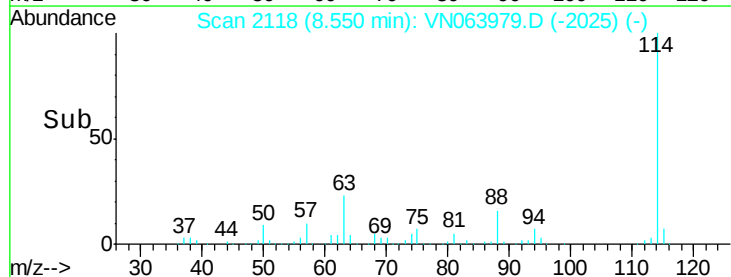
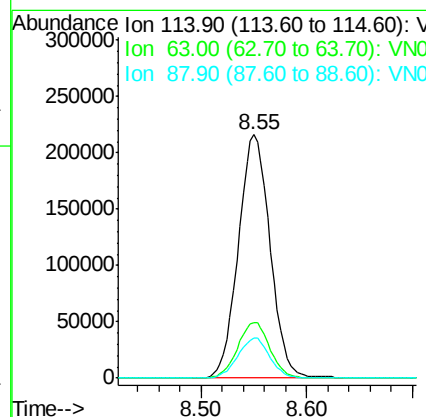
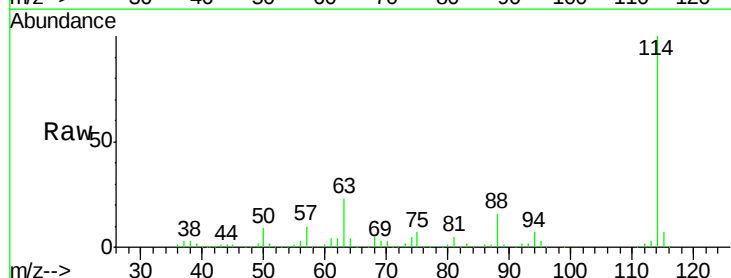
Manual Integrations
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 10/8/2020 10:10:01 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063979.D
 Acq: 8 Oct 2020 7:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	450487		
63	23.0	0.0	45.0	
88	16.3	0.0	34.0	





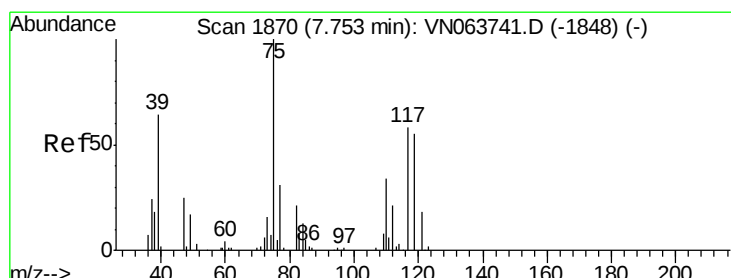
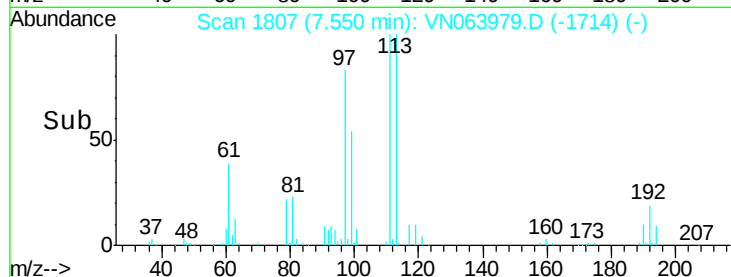
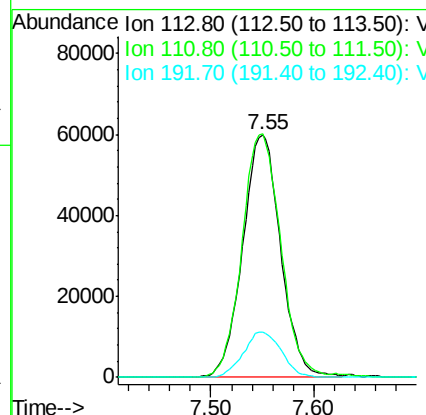
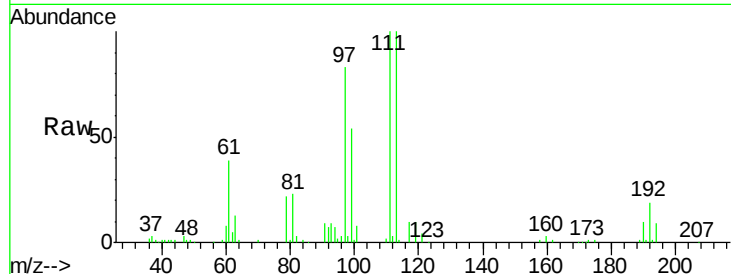
#35
 Dibromofluoromethane
 Concen: 48.929 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN063979.D
 Acq: 8 Oct 2020 7:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	152942		
111	102.5	81.8	122.8	
192	18.8	14.2	21.2	

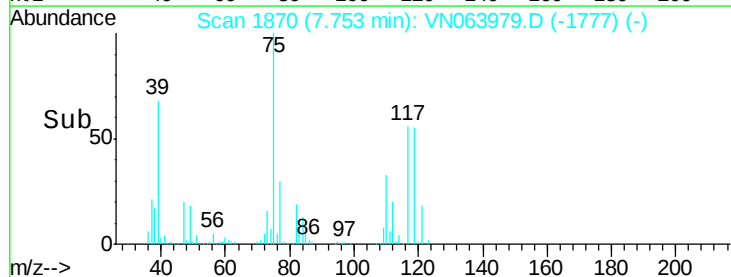
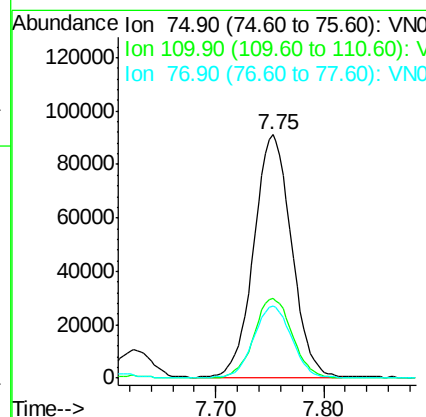
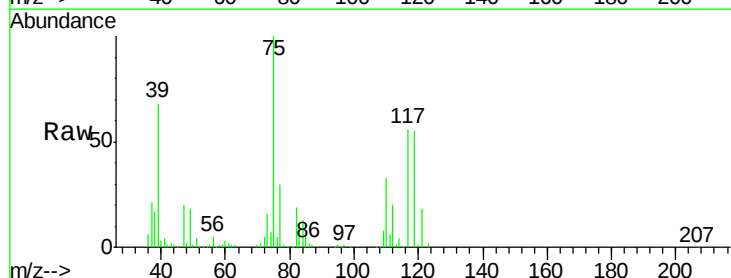
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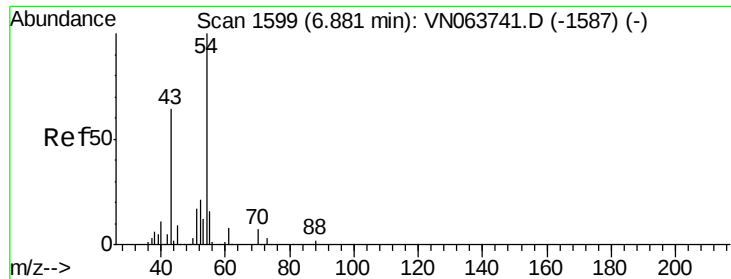
MMDadoda
 10/8/2020 10:10:01 AM



#36
 1,1-Dichloropropene
 Concen: 48.251 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063979.D
 Acq: 8 Oct 2020 7:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	220210		
110	33.4	16.9	50.6	
77	30.2	24.5	36.7	





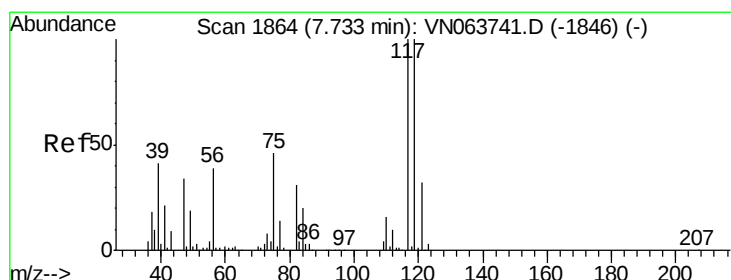
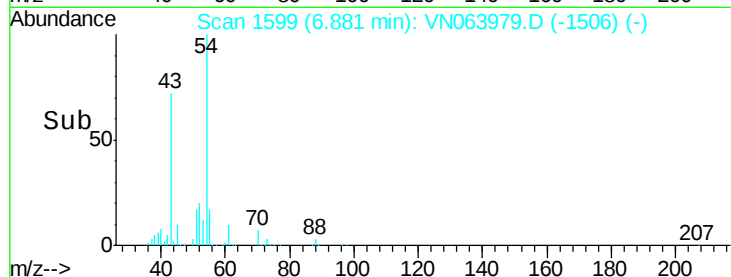
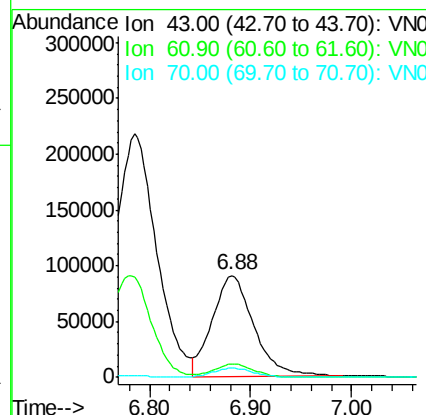
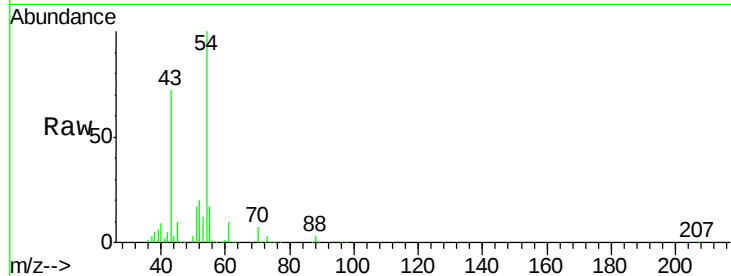
#37
Ethyl Acetate
Concen: 56.460 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.4	15.6
70	8.8	7.3	10.9

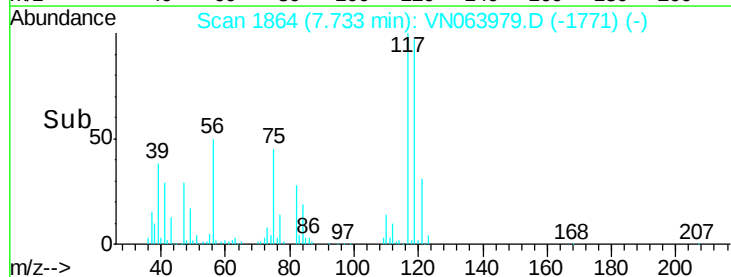
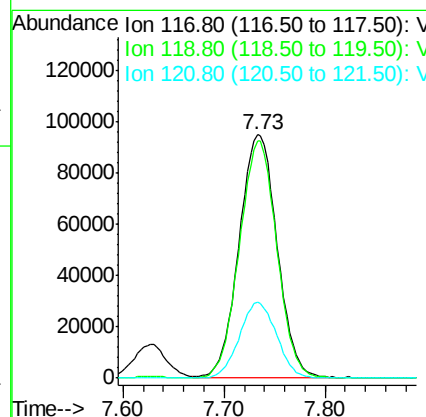
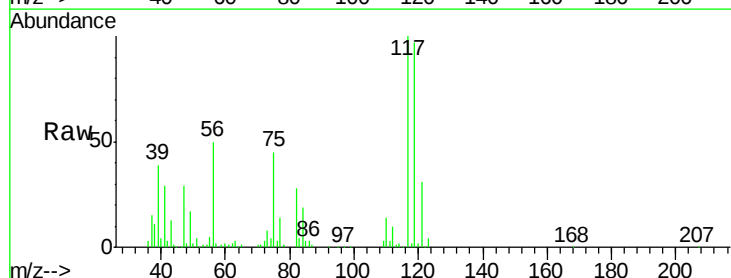
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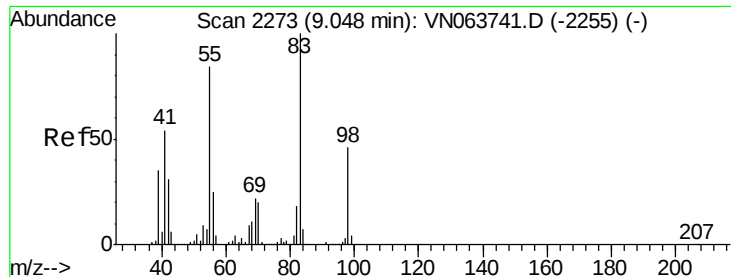
MMDadoda
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#38
Carbon Tetrachloride
Concen: 48.194 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	80.1	120.1
121	31.3	25.7	38.5





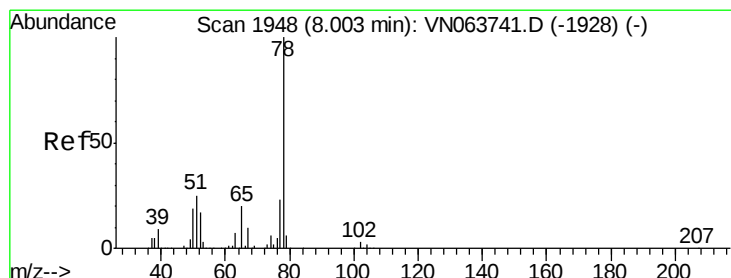
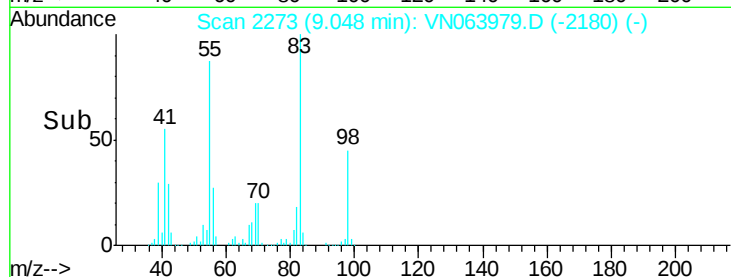
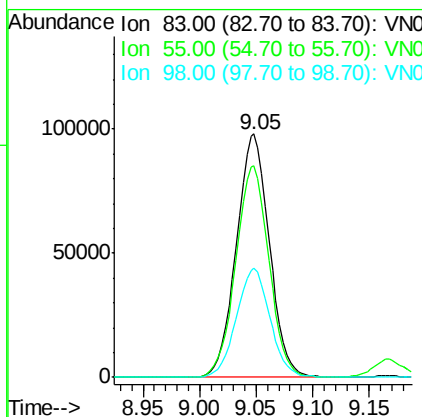
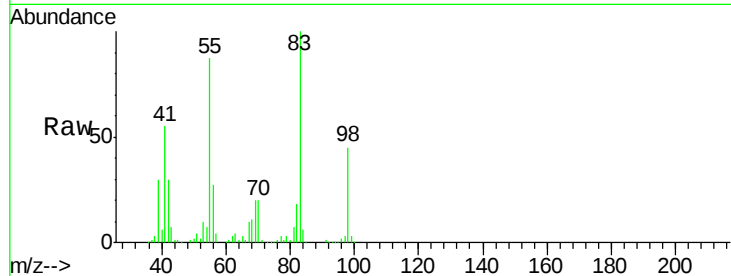
#39
Methvlcvclohexane
Concen: 43.860 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	199620
Ion Ratio	Lower	Upper	
83	100		
55	86.7	67.1	100.7
98	44.9	36.6	54.8

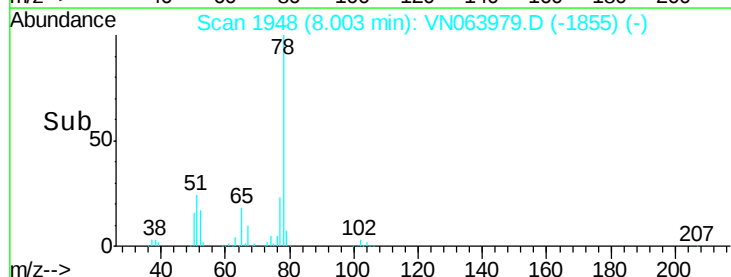
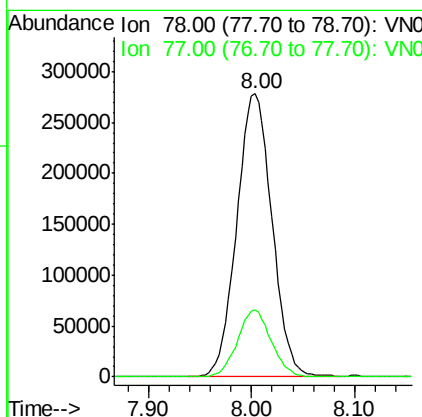
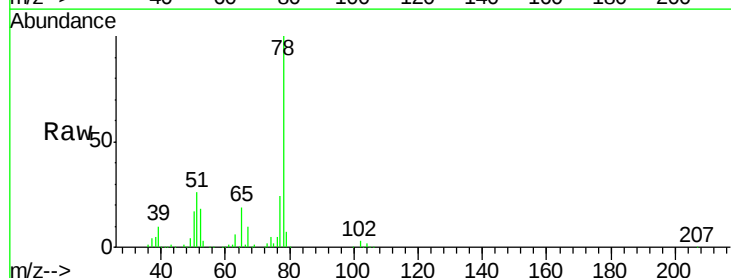
Manual Integrations
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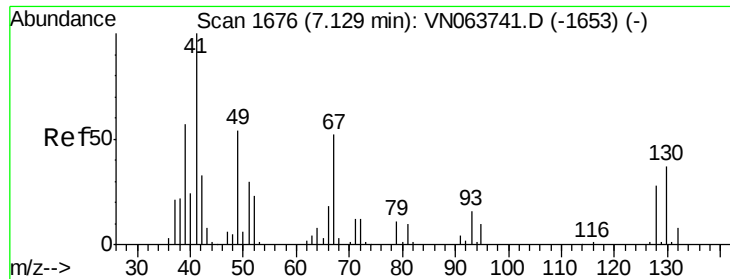
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#40
Benzene
Concen: 50.647 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Tgt Ion	78	Resp	660215
Ion Ratio	Lower	Upper	
78	100		
77	23.6	18.7	28.1





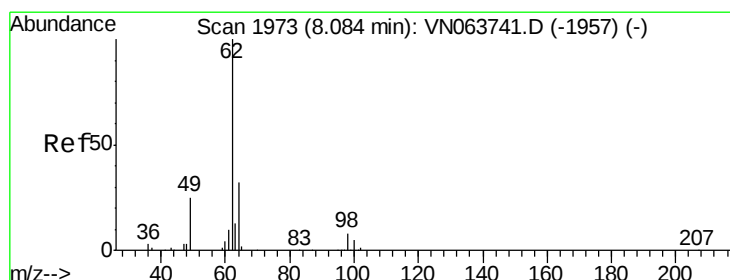
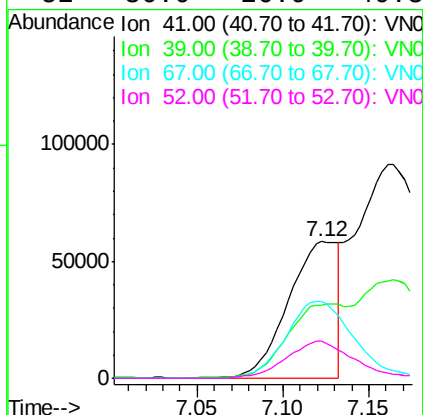
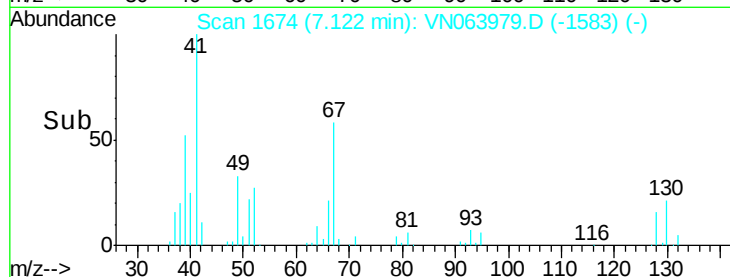
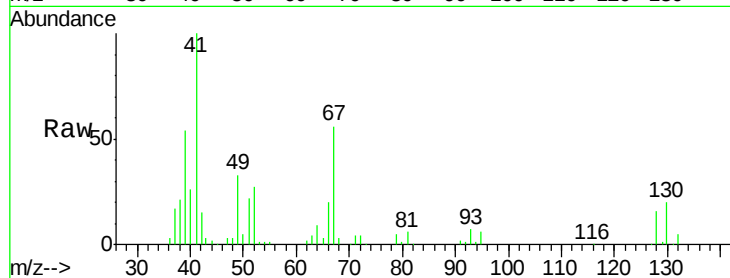
#41
Methacrylonitrile
Concen: 58.104 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.0	42.5	63.7#
67	77.7	57.4	86.2
52	36.0	26.9	40.3

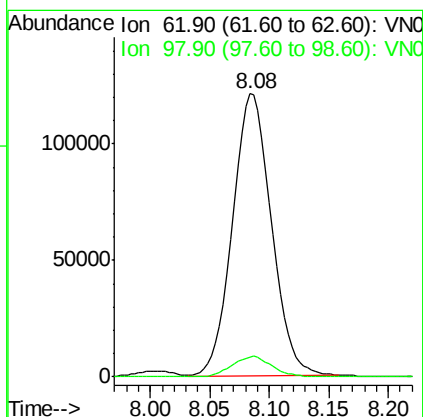
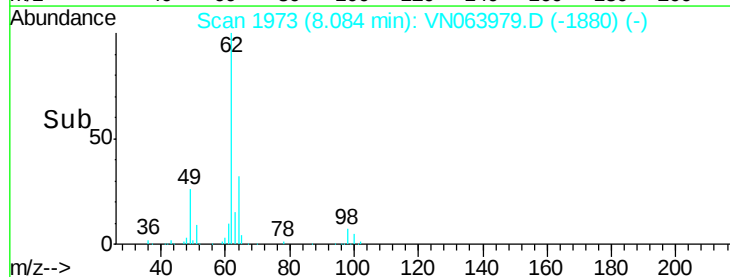
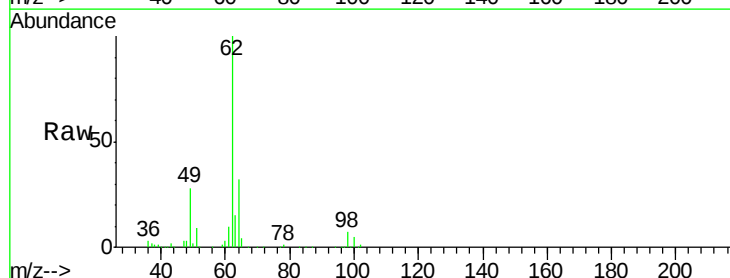
Manual Integrations
APPROVED

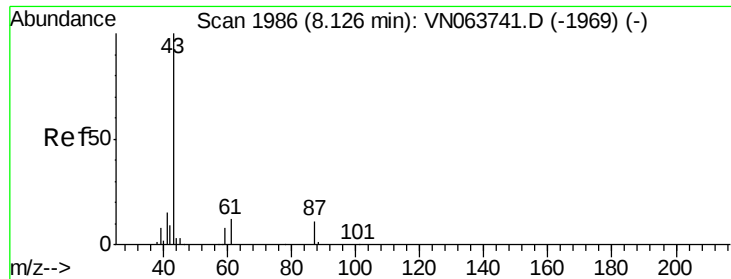
MMDadoda
10/8/2020 10:10:01 AM



#42
1,2-Dichloroethane
Concen: 49.347 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.0





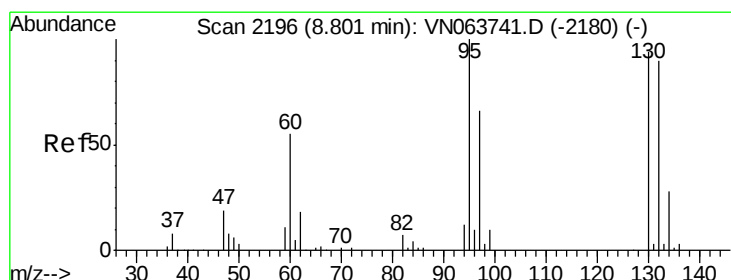
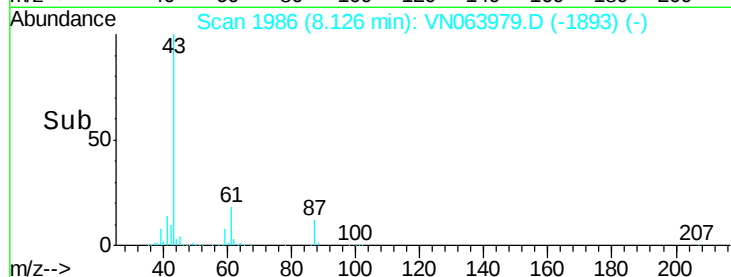
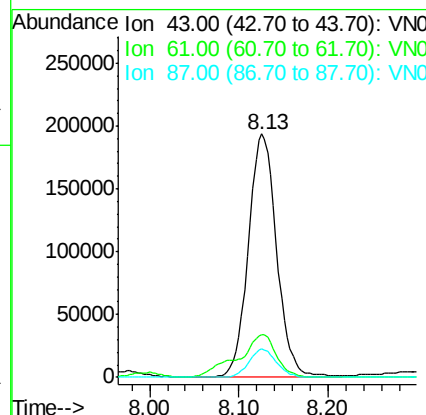
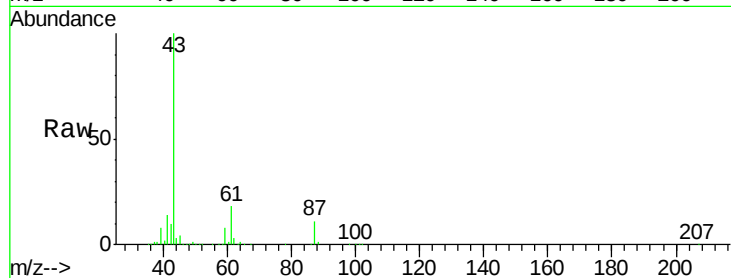
#43
Isopropyl Acetate
Concen: 56.917 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.8	14.2	21.4#
87	11.3	9.0	13.6

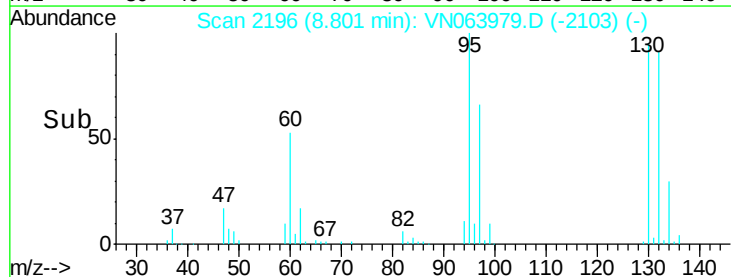
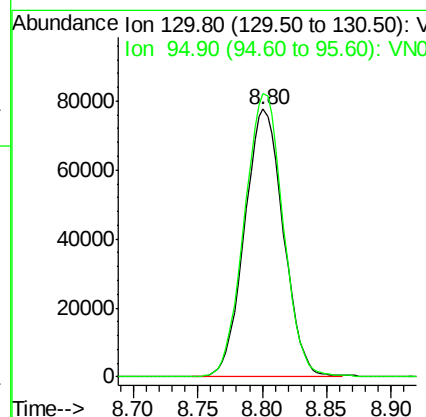
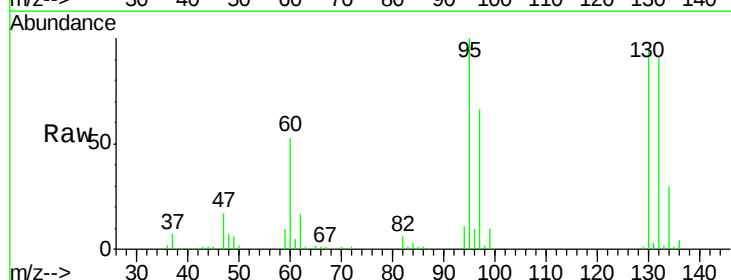
Manual Integrations
APPROVED

MMDadoda
10/8/2020 10:10:01 AM



#44
Trichloroethene
Concen: 47.648 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	213.6





#45

1,2-Dichloropropane

Concen: 51.738 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 182143

Ion Ratio Lower Upper

63 100

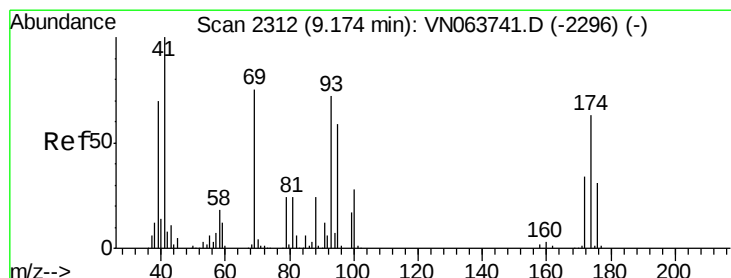
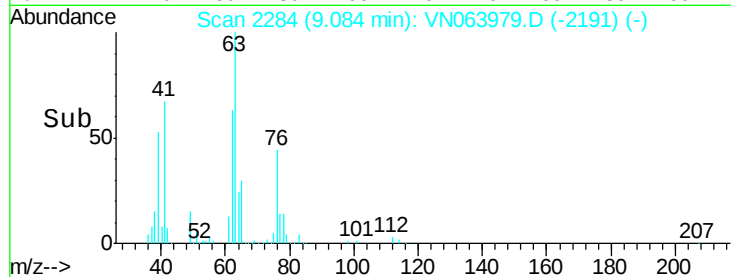
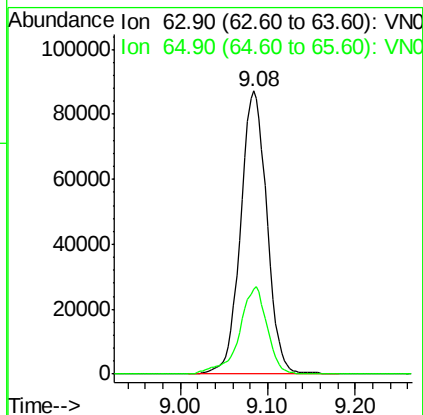
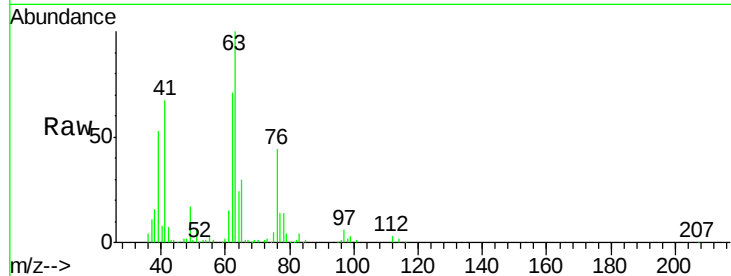
65 30.1 24.7 37.1

Manual Integrations

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MMDadoda

10/8/2020 10:10:01 AM



#46

Dibromomethane

Concen: 50.329 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

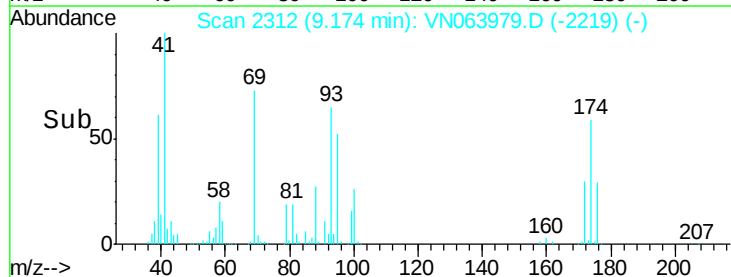
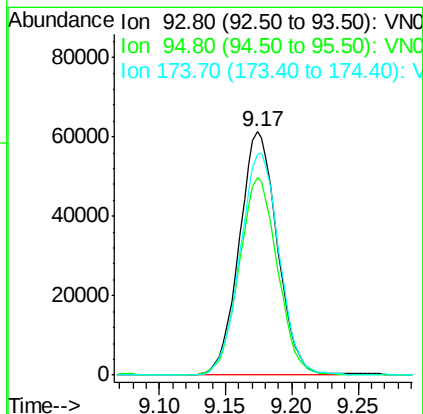
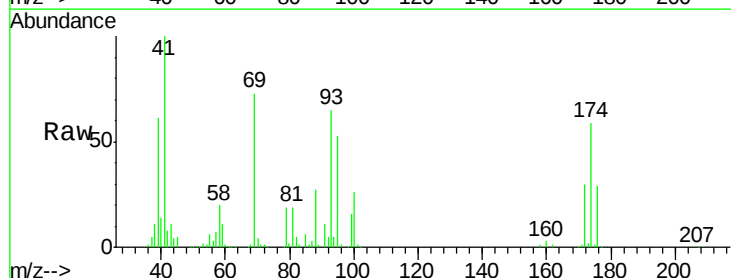
Tgt Ion: 93 Resp: 122229

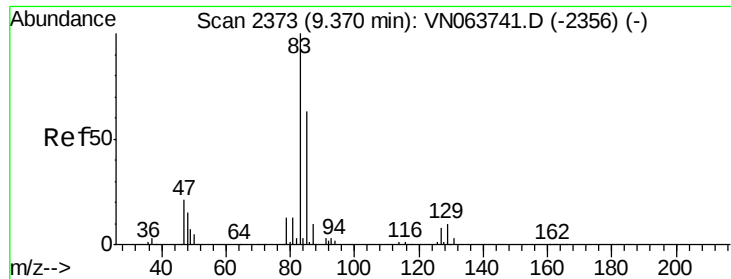
Ion Ratio Lower Upper

93 100

95 82.0 66.3 99.5

174 93.8 72.7 109.1





#47

Bromodichloromethane

Concen: 51.336 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

Instrument :

MSVOA_N

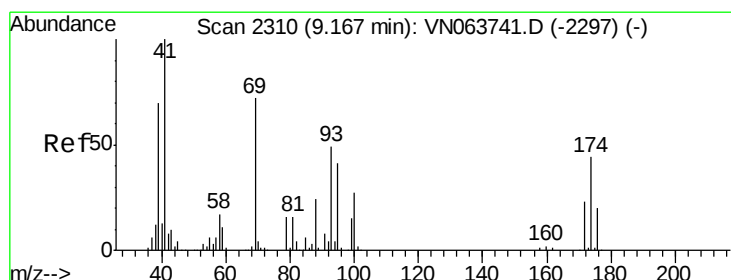
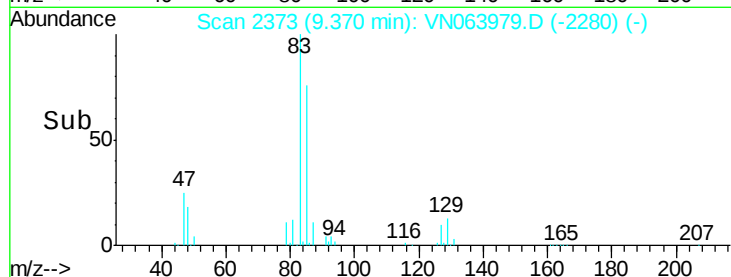
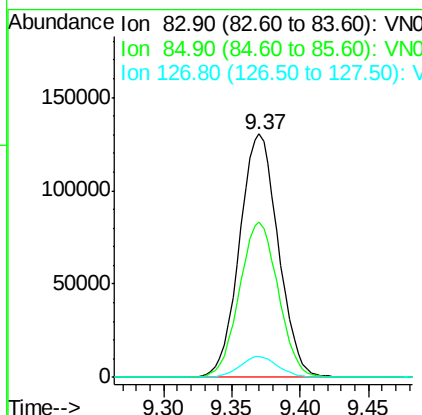
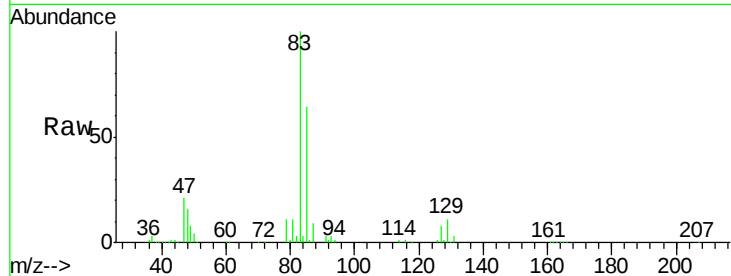
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	256950
Ion Ratio	Lower	Upper	
83	100		
85	63.6	50.6	75.8
127	8.5	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 57.617 ug/l

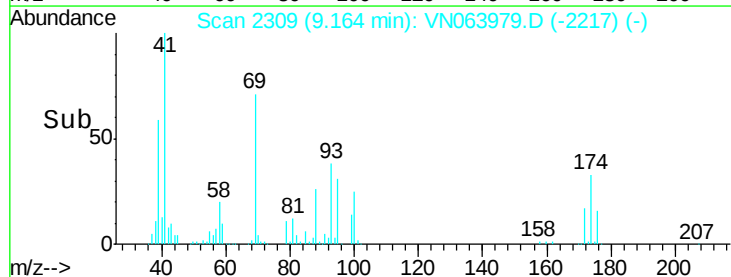
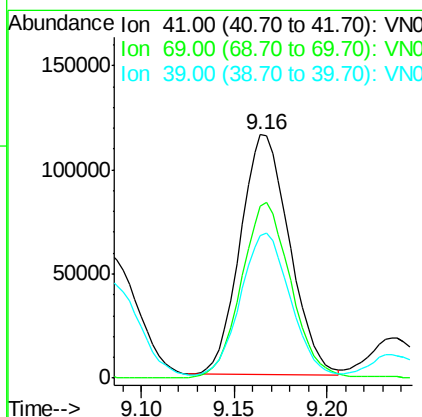
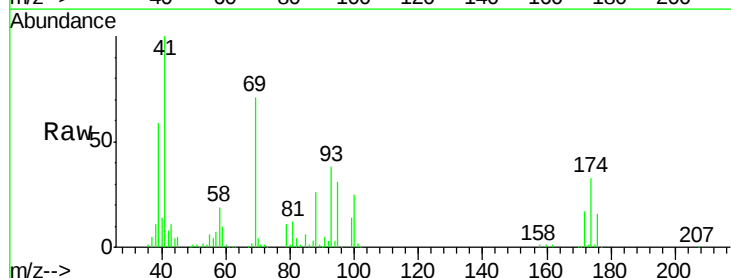
RT: 9.16 min Scan# 2309

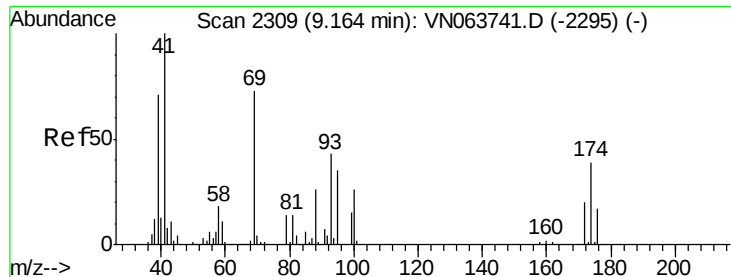
Delta R.T. -0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

Tgt Ion:	41	Resp:	212904
Ion Ratio	Lower	Upper	
41	100		
69	73.3	60.9	91.3
39	61.9	57.5	86.3





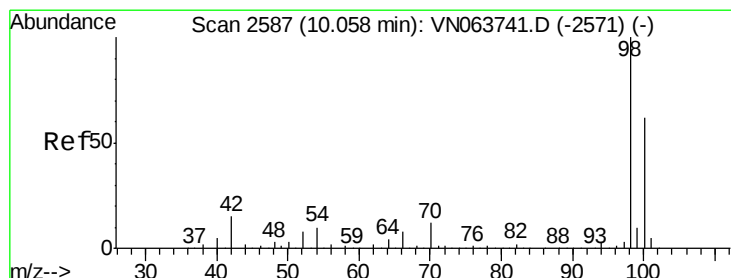
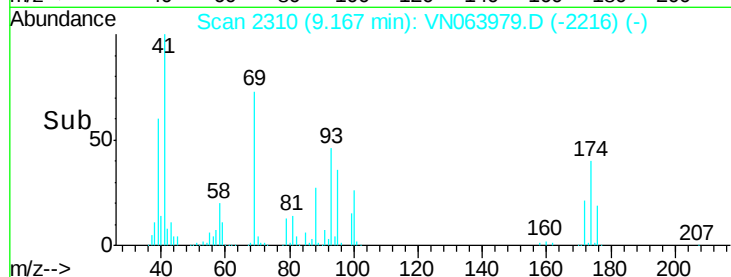
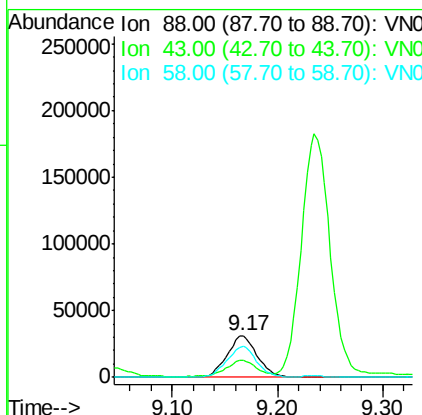
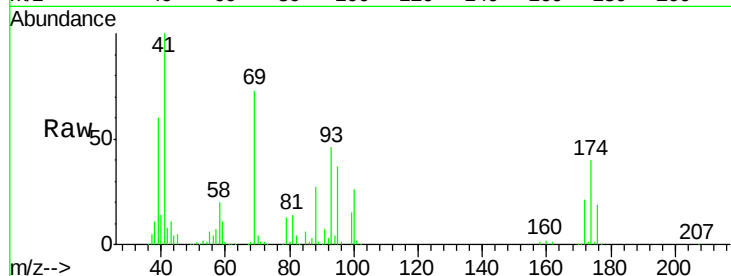
#49
1,4-Dioxane
Concen: 1187.085 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.7	33.1	49.7
58	73.2	58.9	88.3

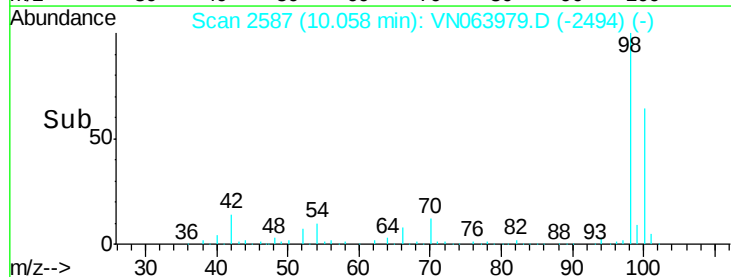
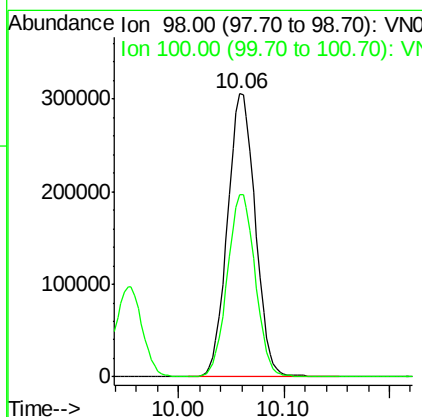
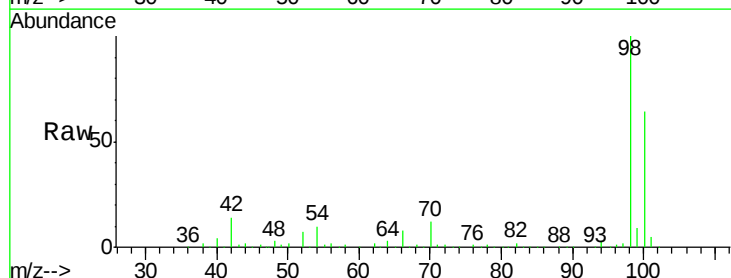
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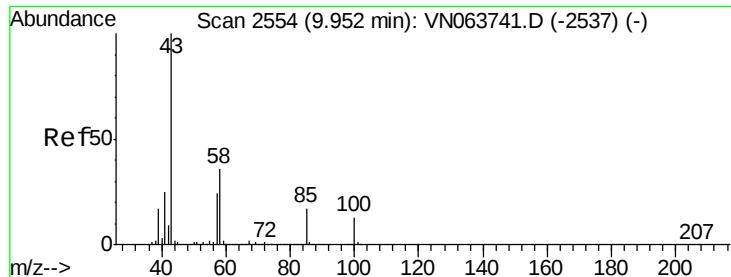
MMDadoda
10/8/2020 10:10:01 AM



#50
Toluene-d8
Concen: 47.173 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	49.8	74.6





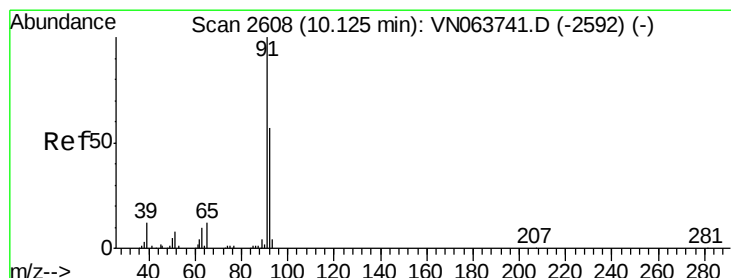
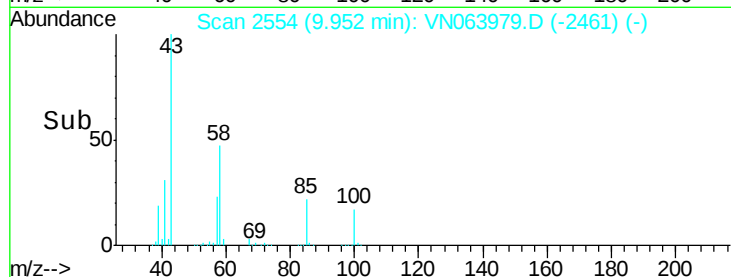
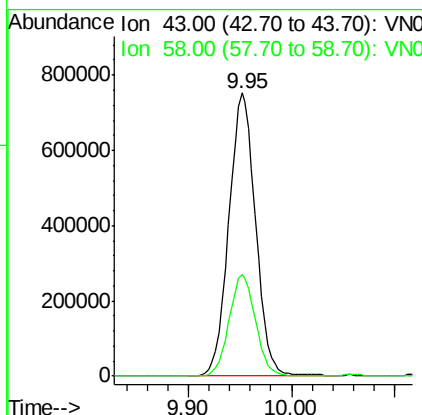
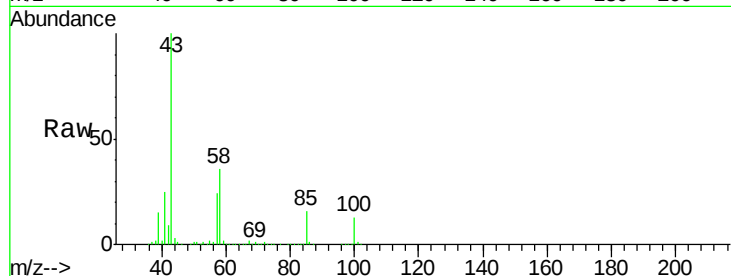
#51
4-Methyl-2-Pentanone
Concen: 308.456 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1353834
Ion Ratio Lower Upper
43 100
58 35.4 28.4 42.6

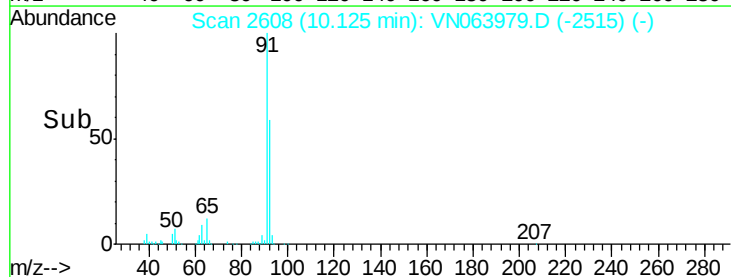
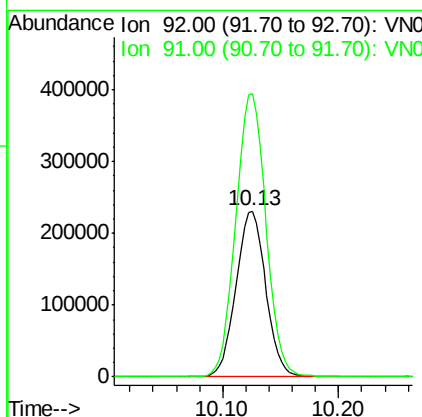
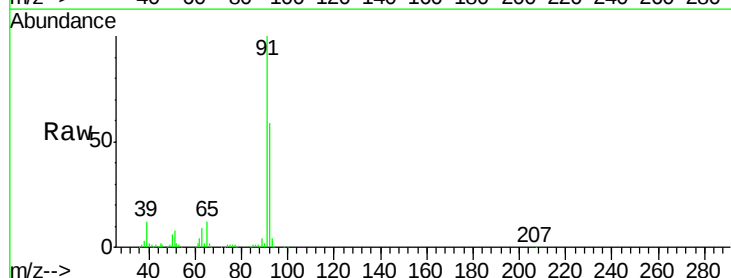
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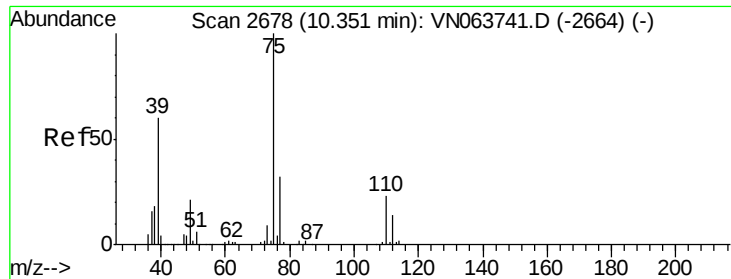
MMDadoda
10/8/2020 10:10:01 AM



#52
Toluene
Concen: 51.005 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Tgt Ion: 92 Resp: 411251
Ion Ratio Lower Upper
92 100
91 173.8 140.6 210.8





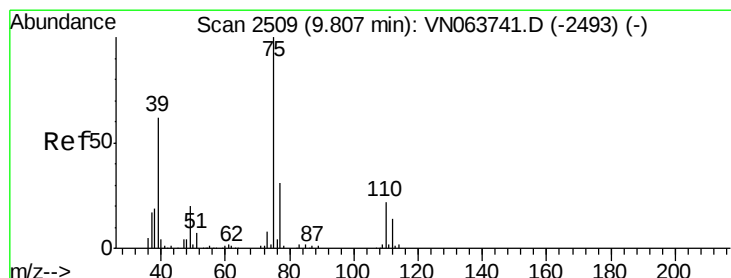
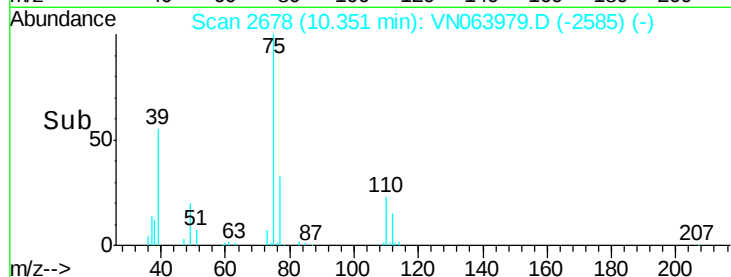
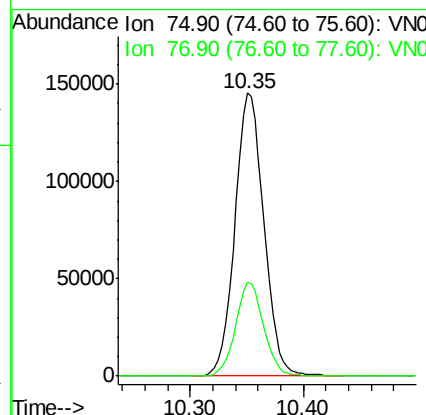
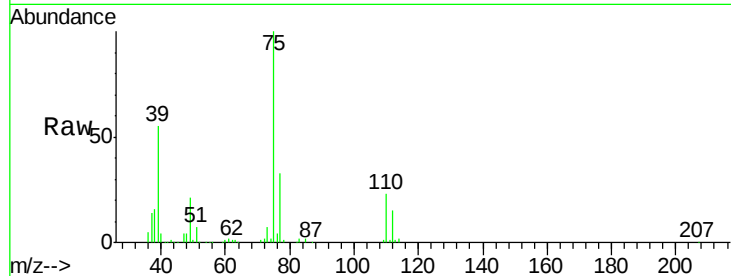
#53
t-1,3-Dichloropropene
Concen: 48.332 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 259317
Ion Ratio Lower Upper
75 100
77 33.0 25.3 37.9

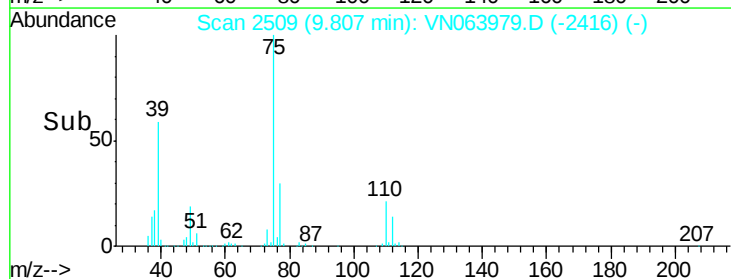
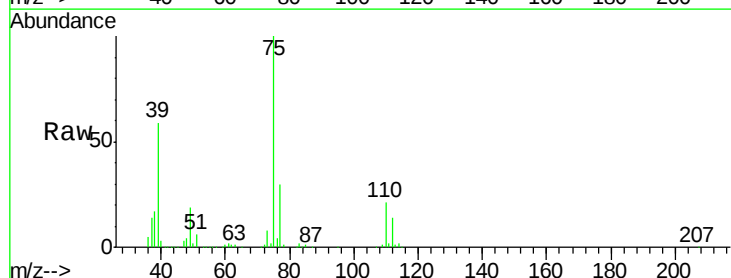
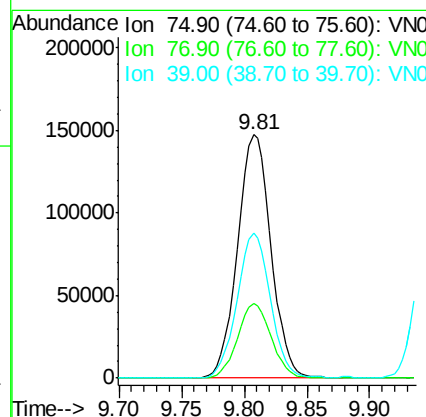
Manual Integrations
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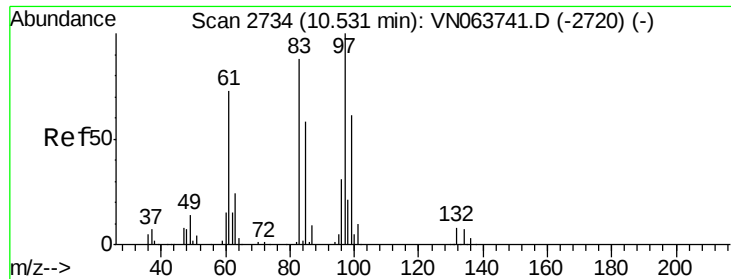
MMDadoda
10/8/2020 10:10:01 AM



#54
cis-1,3-Dichloropropene
Concen: 48.732 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Tgt Ion: 75 Resp: 273444
Ion Ratio Lower Upper
75 100
77 30.5 24.6 36.8
39 59.5 49.7 74.5





#55

1,1,2-Trichloroethane

Concen: 52.671 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

Instrument :

MSVOA_N

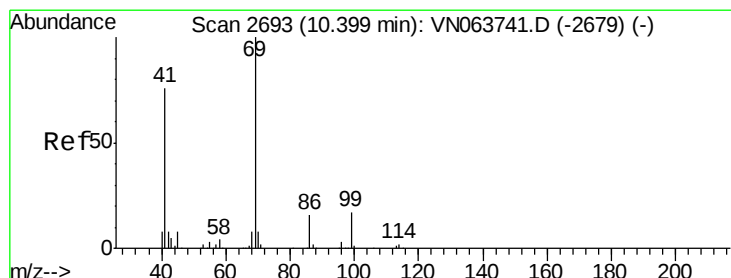
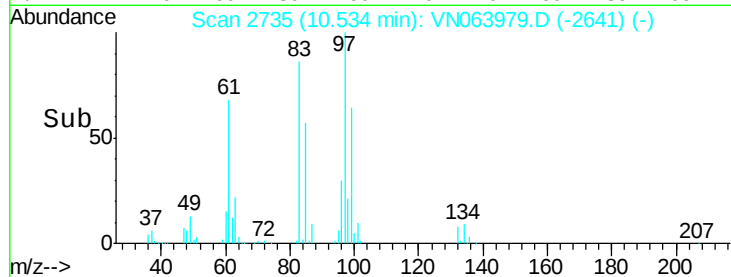
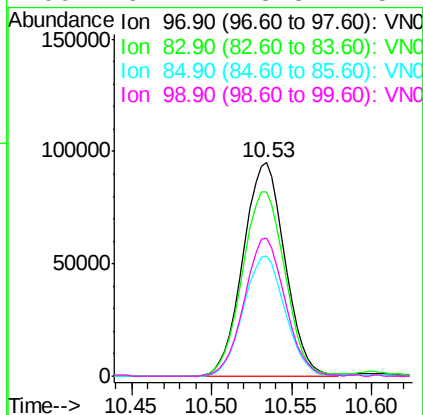
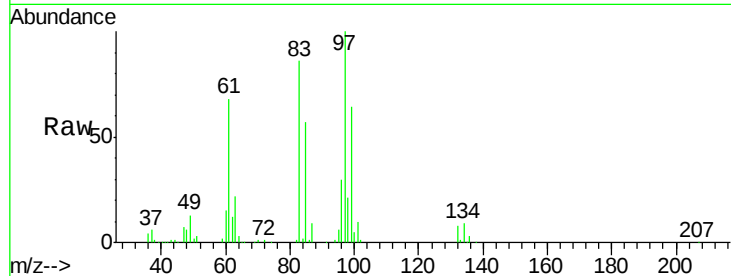
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	170313
Ion	Ratio	Lower	Upper
97	100		
83	86.0	70.7	106.1
85	56.6	46.1	69.1
99	64.4	48.8	73.2

Manual Integrations
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10/8/2020 10:10:01 AM



#56

Ethyl methacrylate

Concen: 55.849 ug/l

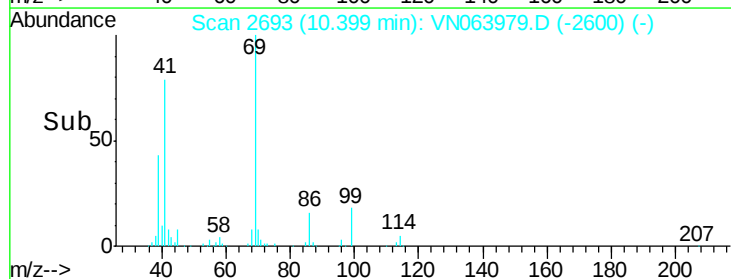
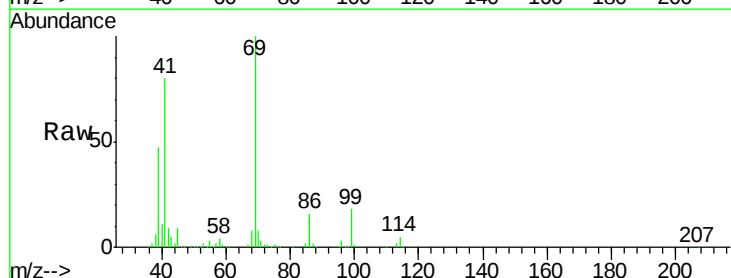
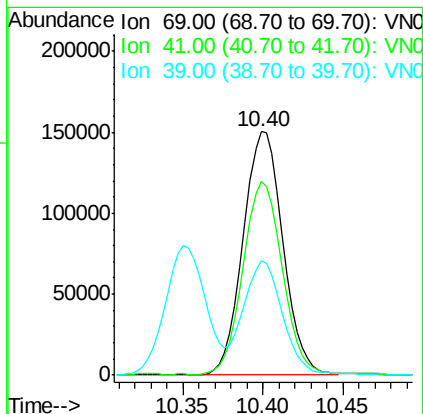
RT: 10.40 min Scan# 2693

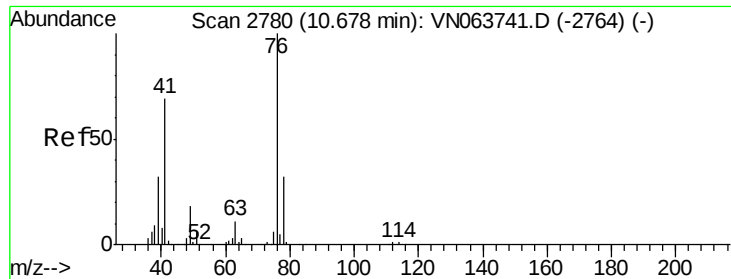
Delta R.T. 0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

Tgt Ion:	69	Resp:	255978
Ion	Ratio	Lower	Upper
69	100		
41	78.4	61.1	91.7
39	46.0	42.2	63.4





#57

1,3-Dichloropropane

Concen: 52.997 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 289923

Ion Ratio Lower Upper

76 100

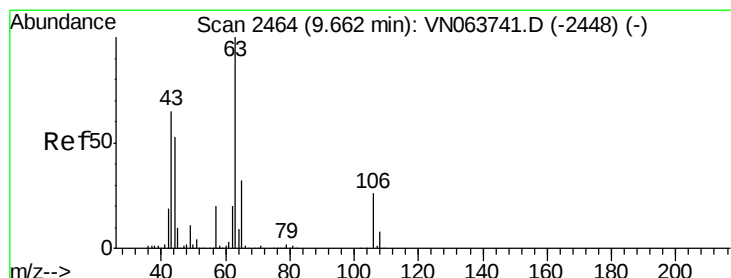
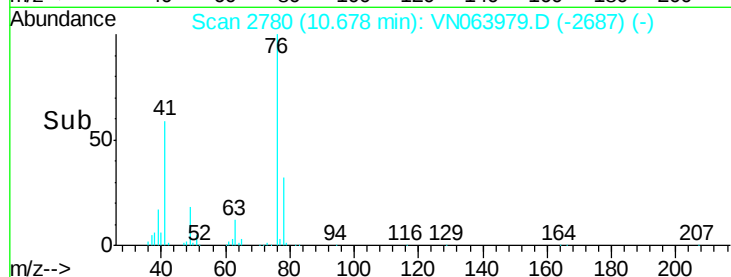
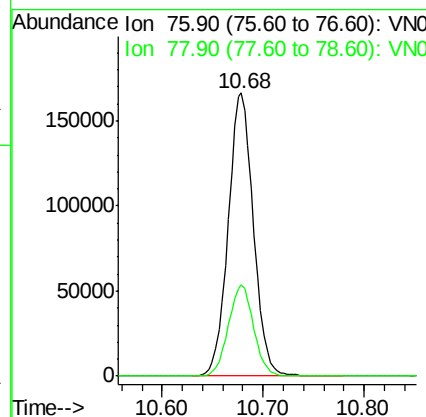
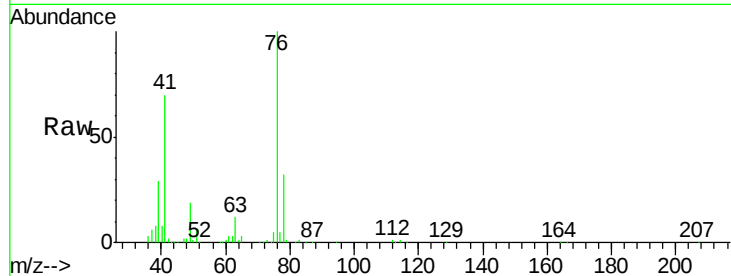
78 32.3 25.2 37.8

Manual Integrations

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10/8/2020 10:10:01 AM



#58

2-Chloroethyl Vinyl ether

Concen: 277.238 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN063979.D

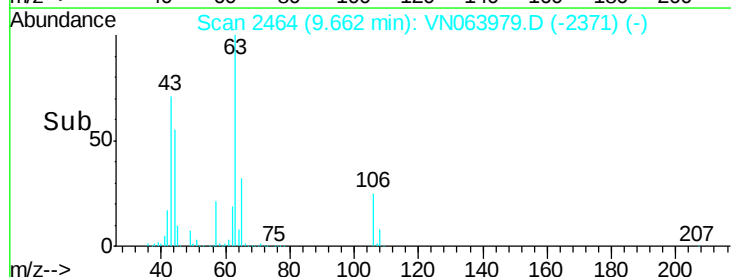
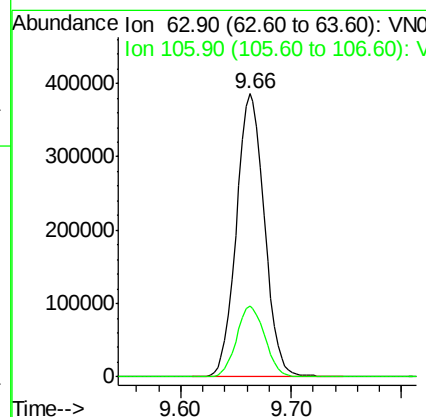
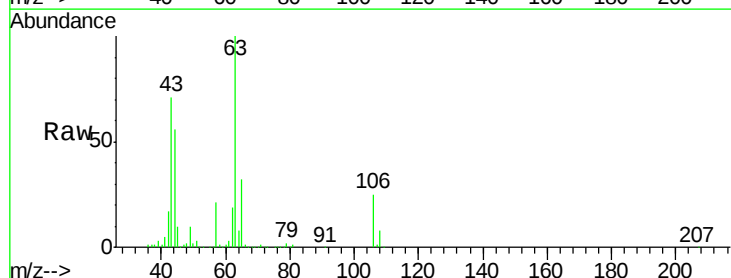
Acq: 8 Oct 2020 7:17

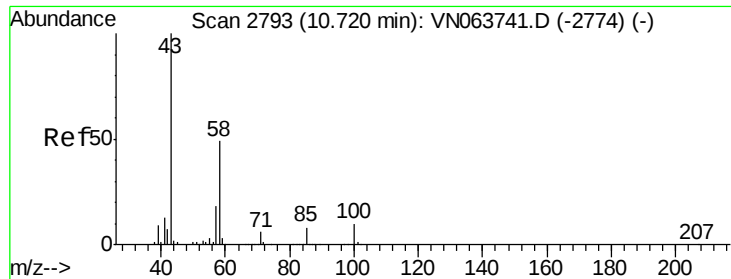
Tgt Ion: 63 Resp: 679705

Ion Ratio Lower Upper

63 100

106 25.4 20.7 31.1





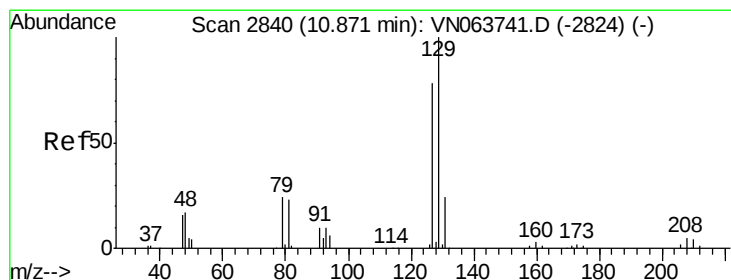
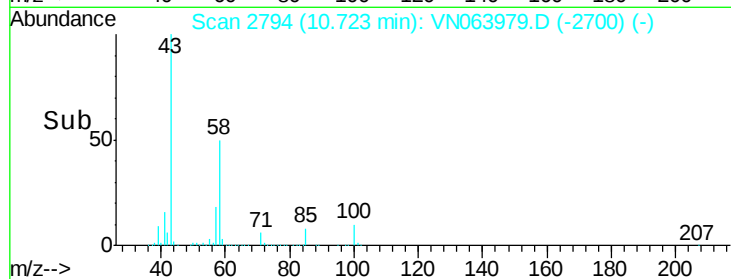
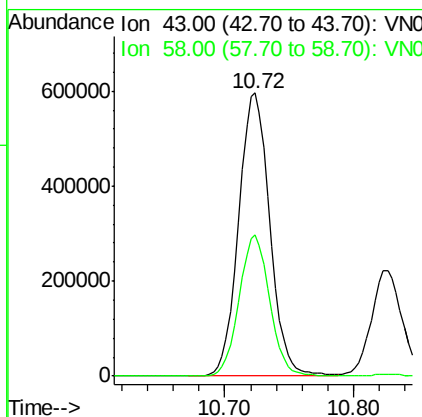
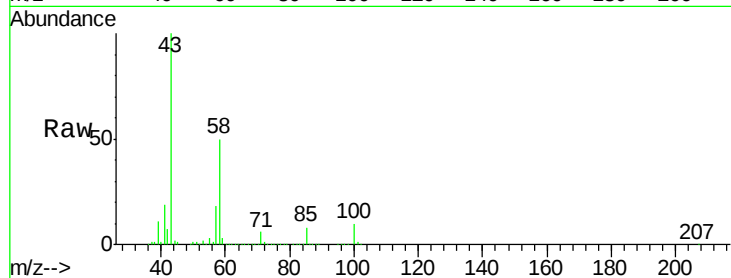
#59
2-Hexanone
Concen: 306.236 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 998474
Ion Ratio Lower Upper
43 100
58 49.2 24.6 73.8

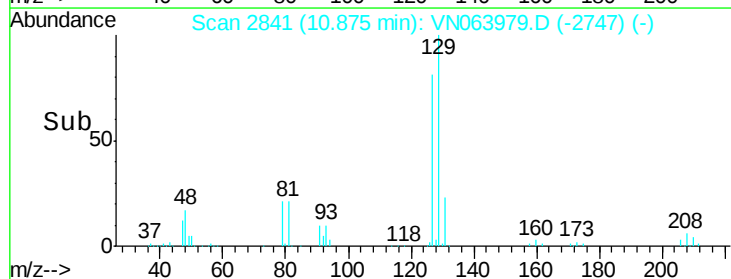
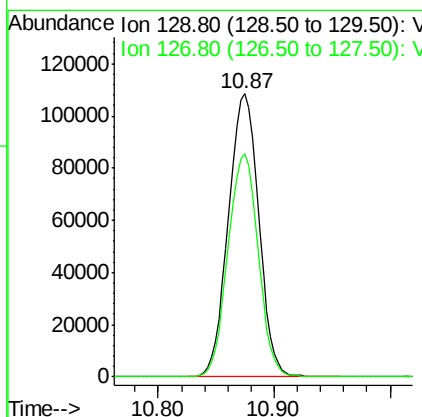
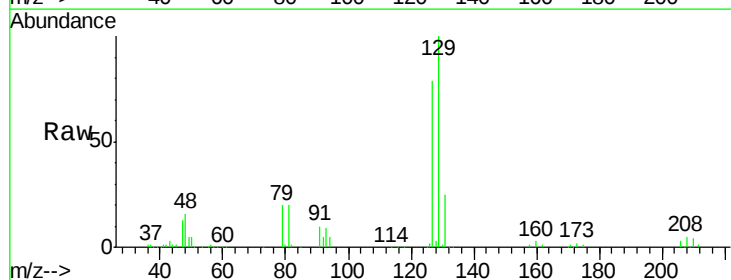
Manual Integrations
APPROVED

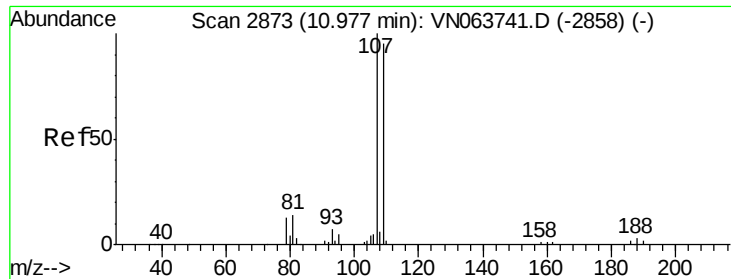
MMDadoda
10/8/2020 10:10:01 AM



#60
Dibromochloromethane
Concen: 52.300 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Tgt Ion: 129 Resp: 196947
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.7





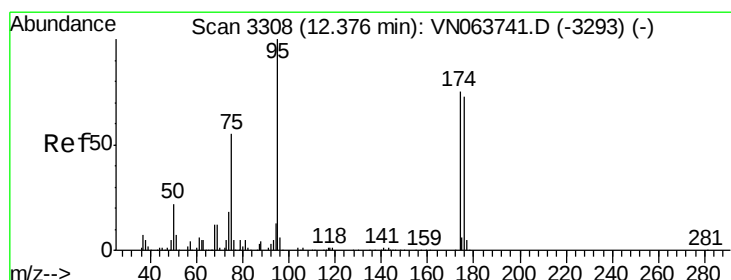
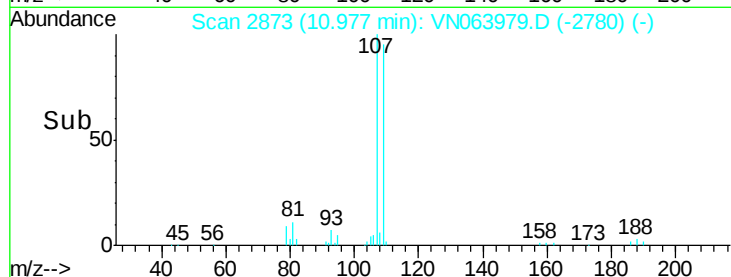
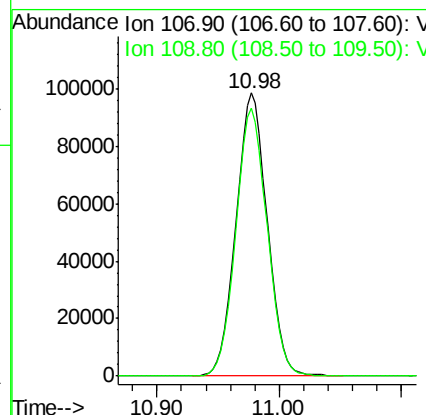
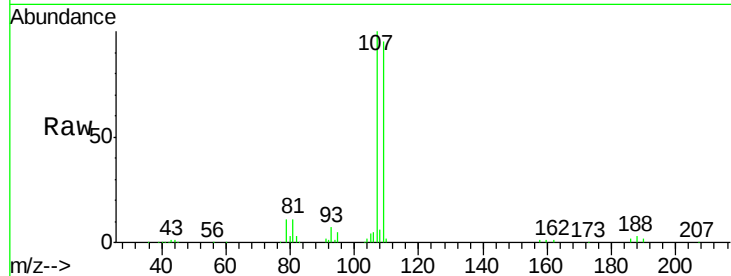
#61
 1,2-Dibromoethane
 Concen: 52.711 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063979.D
 Acq: 8 Oct 2020 7:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	74.8	112.2

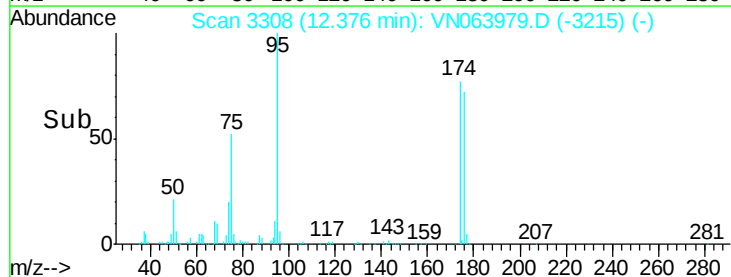
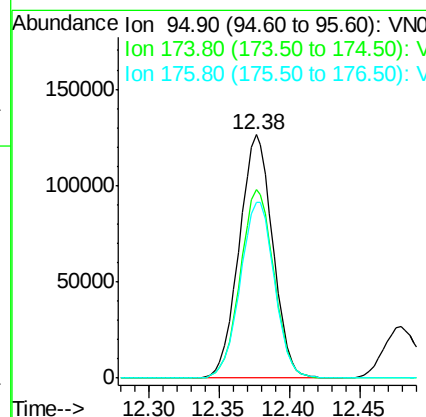
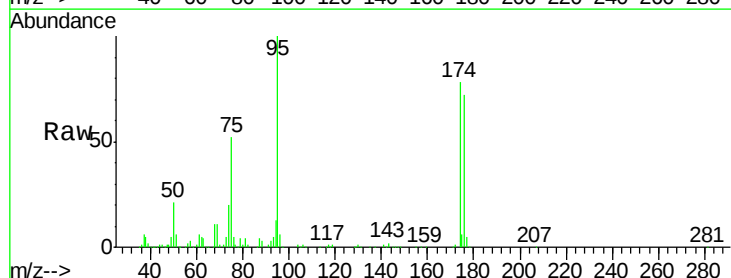
Manual Integrations
 APPROVED

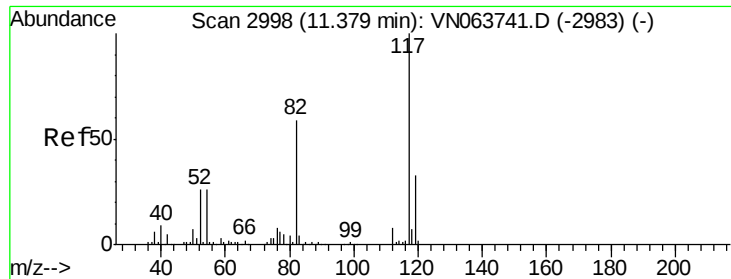
MMDadoda
 10/8/2020 10:10:01 AM



#62
 4-Bromofluorobenzene
 Concen: 47.409 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063979.D
 Acq: 8 Oct 2020 7:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.6	0.0	150.6
176	73.6	0.0	145.4





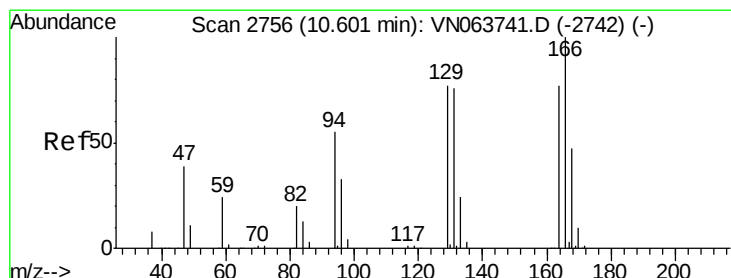
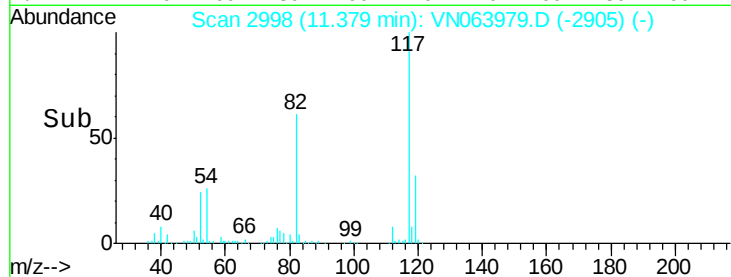
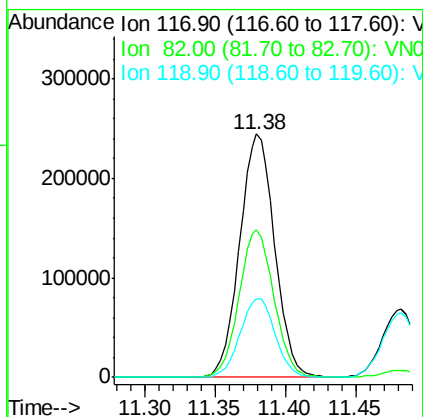
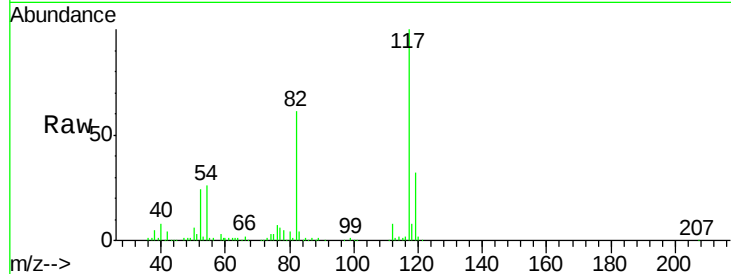
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	425461		
82	60.9	47.4	71.2	
119	32.4	26.4	39.6	

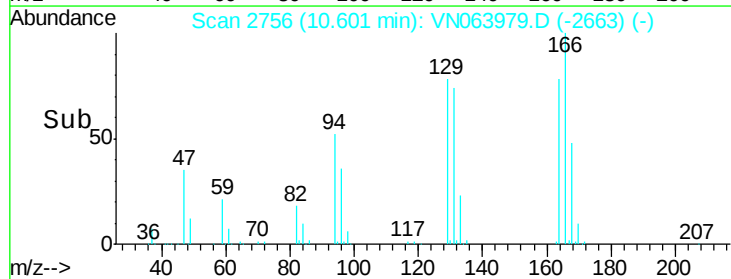
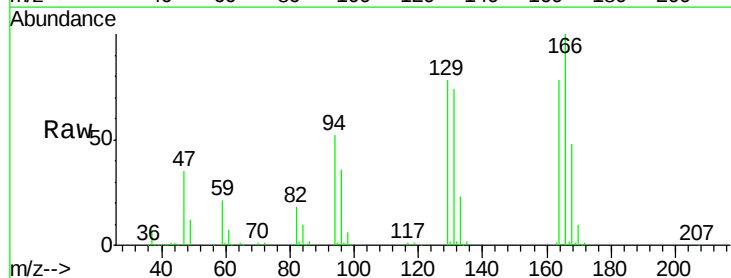
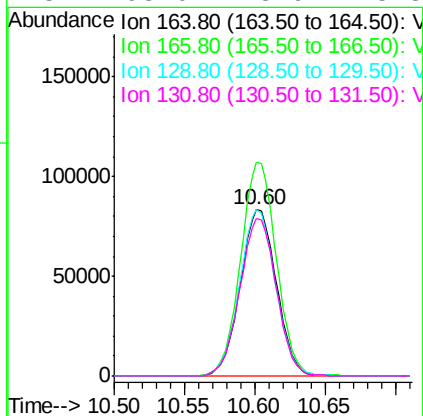
Manual Integrations
APPROVED

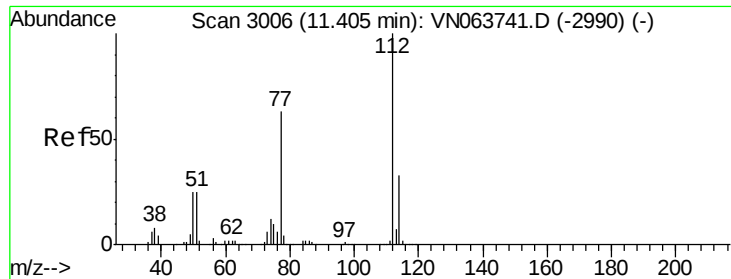
MMDadoda
10/8/2020 10:10:01 AM



#64
Tetrachloroethene
Concen: 45.538 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	149897		
166	128.8	103.9	155.9	
129	100.5	80.3	120.5	
131	95.0	78.9	118.3	





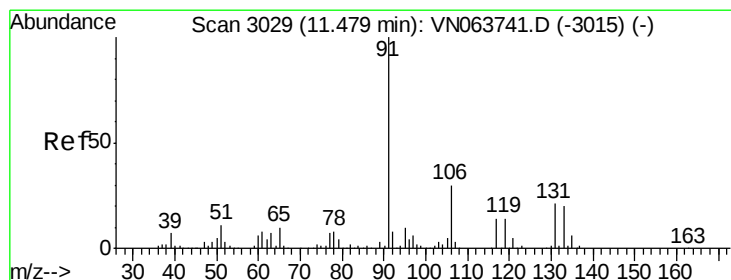
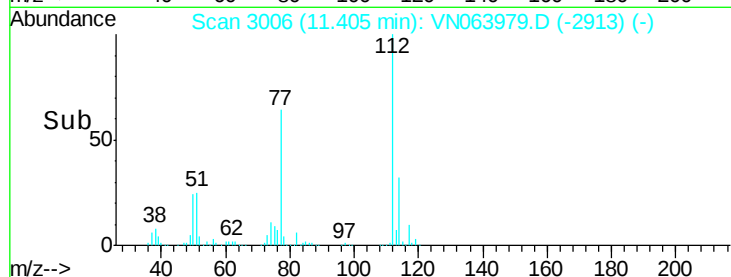
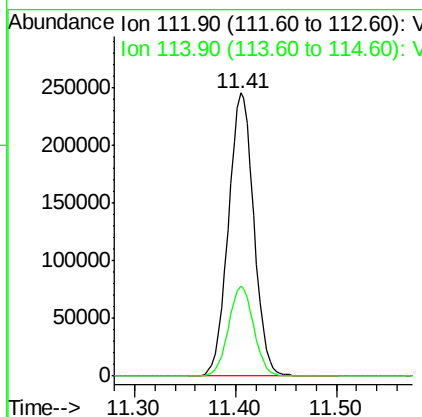
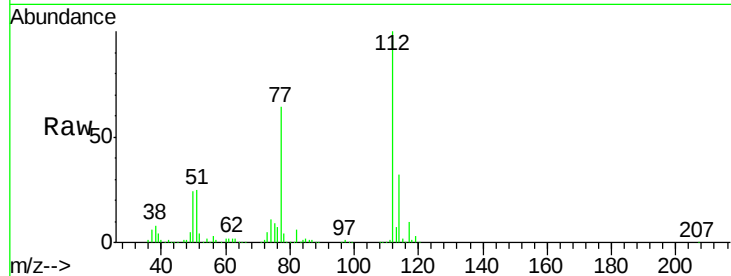
#65
Chlorobenzene
Concen: 49.566 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 432585
Ion Ratio Lower Upper
112 100
114 31.7 26.1 39.1

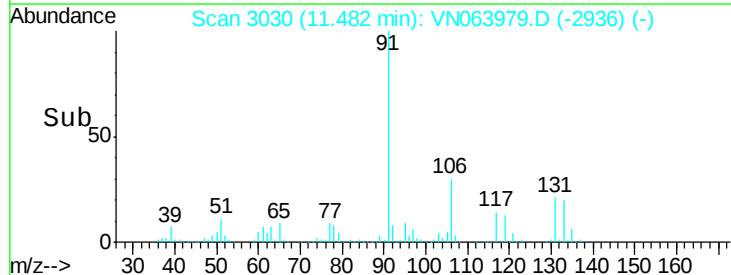
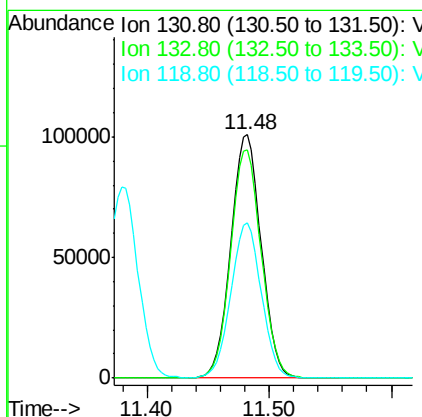
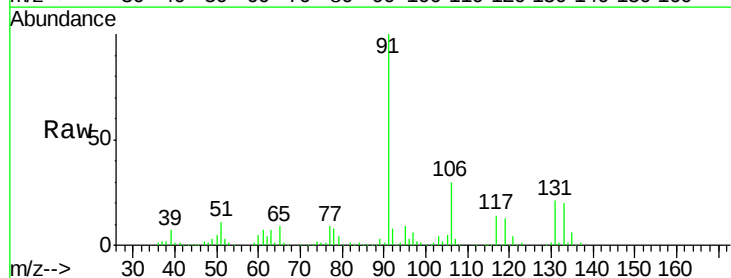
Manual Integrations
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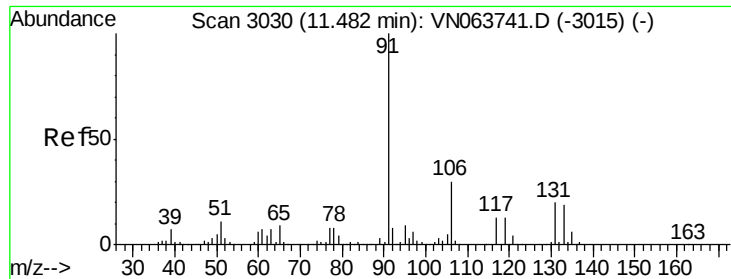
MMDadoda
10/8/2020 10:10:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.207 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Tgt Ion:131 Resp: 174677
Ion Ratio Lower Upper
131 100
133 94.9 47.3 141.8
119 64.0 32.6 97.7





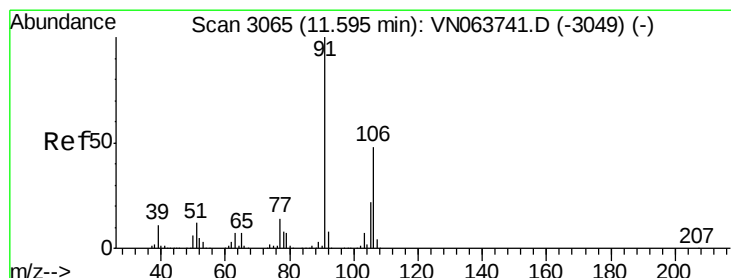
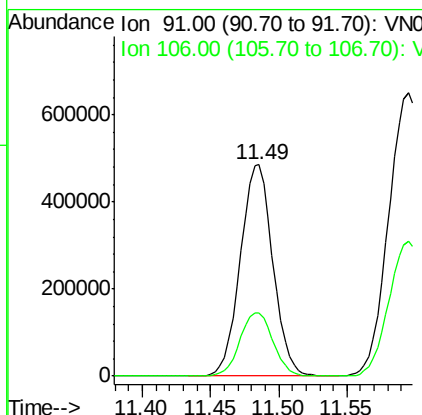
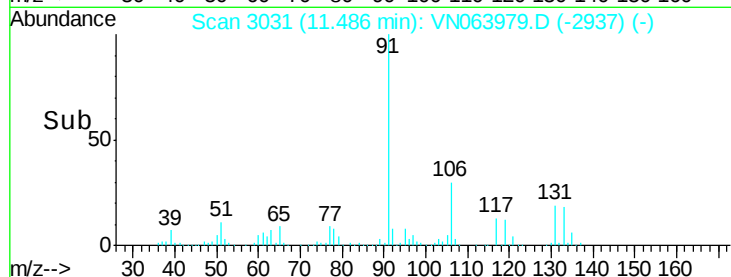
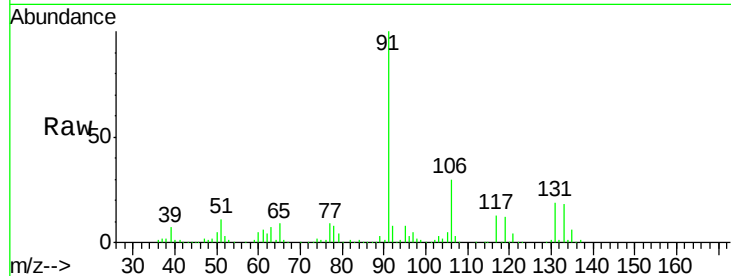
#67
Ethyl Benzene
Concen: 50.587 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 803370
Ion Ratio Lower Upper
91 100
106 29.8 24.2 36.2

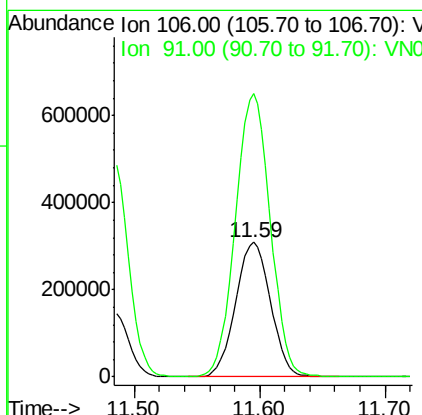
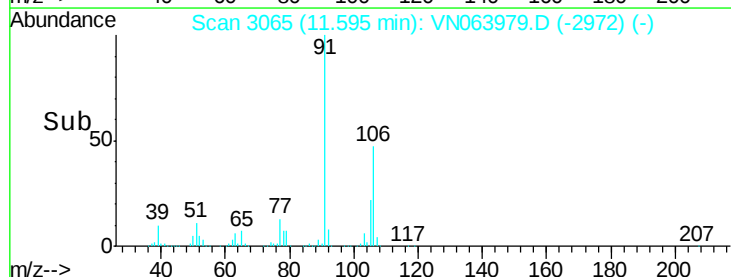
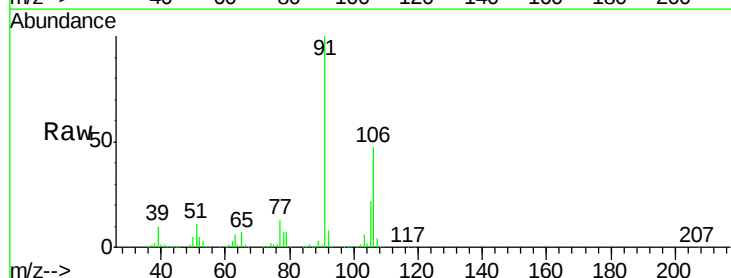
Manual Integrations
APPROVED

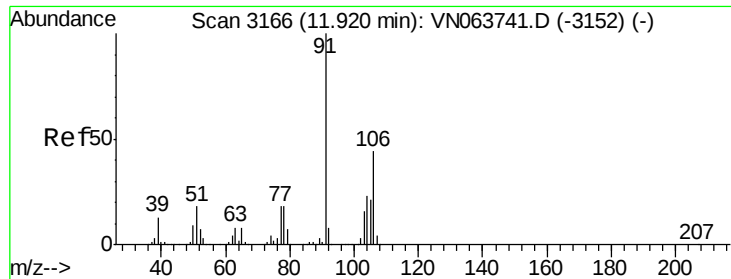
MMDadoda
10/8/2020 10:10:01 AM



#68
m/p-Xylenes
Concen: 100.354 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Tgt Ion: 106 Resp: 593976
Ion Ratio Lower Upper
106 100
91 210.0 168.0 252.0





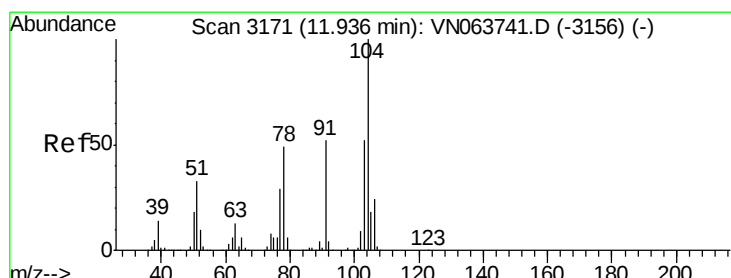
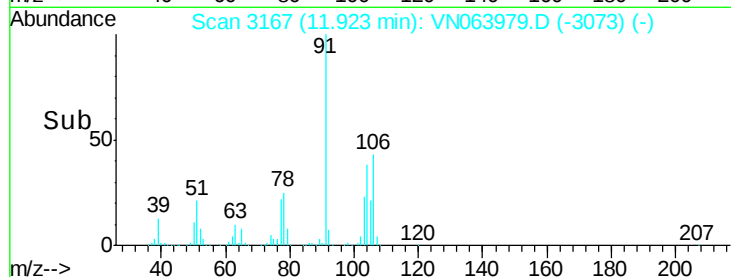
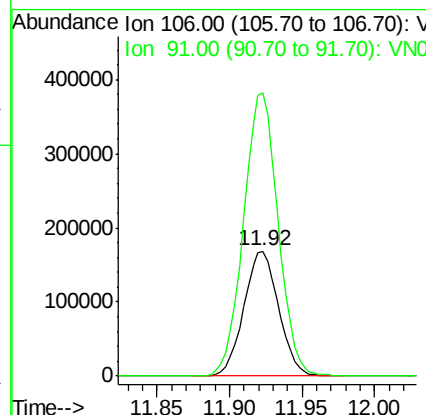
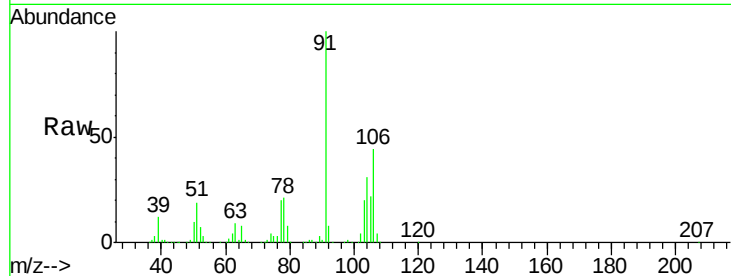
#69
o-Xylene
Concen: 50.792 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		280985		
91	225.5	112.7	338.0		

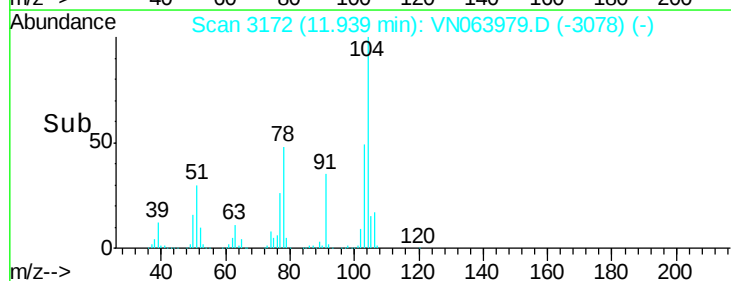
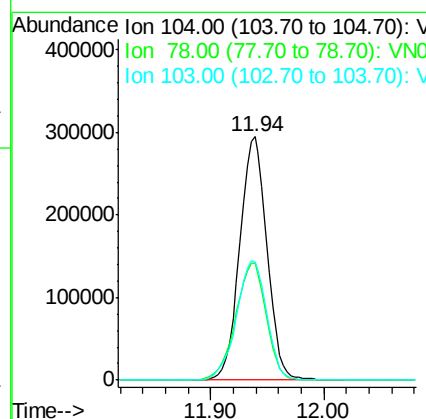
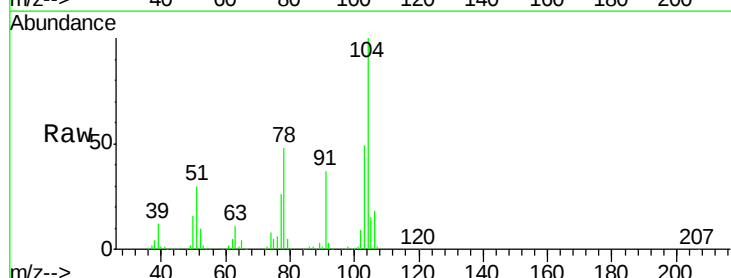
Manual Integrations
APPROVED

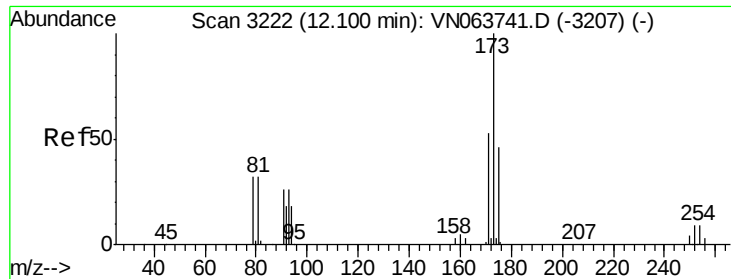
MMDadoda
10/8/2020 10:10:01 AM



#70
Styrene
Concen: 52.676 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		494661		
78	54.0	44.1	66.1		
103	54.6	44.3	66.5		





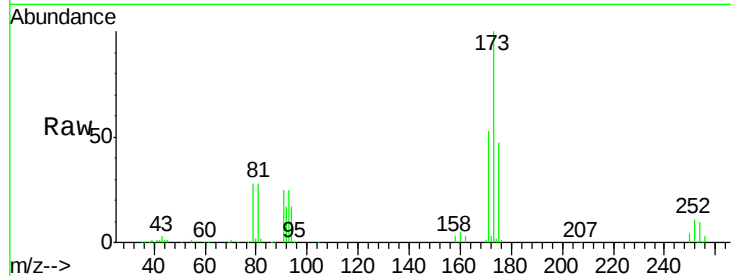
#71
Bromoform
Concen: 54.323 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.1	23.5	70.5
254	0.1	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
10/8/2020 10:10:01 AM

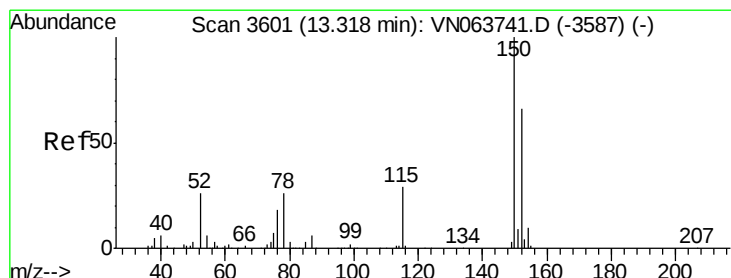
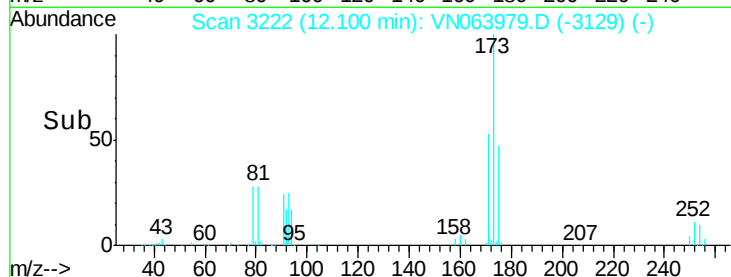
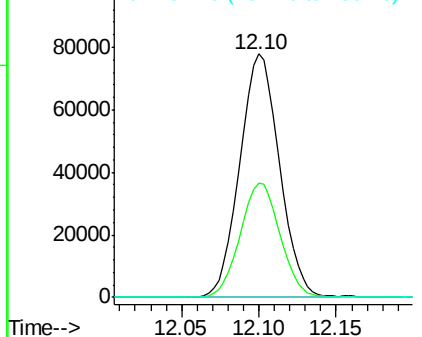


Abundance

Ion 172.70 (172.40 to 173.40): V

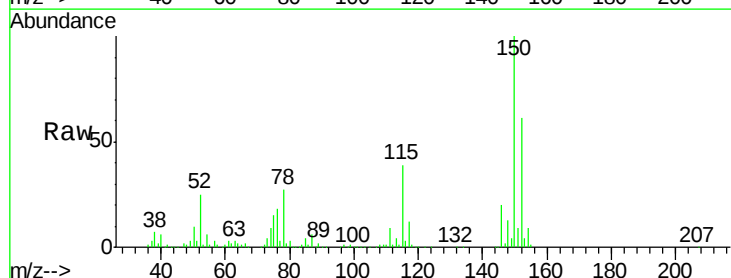
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.3	31.3	93.8
150	176.5	0.0	341.8

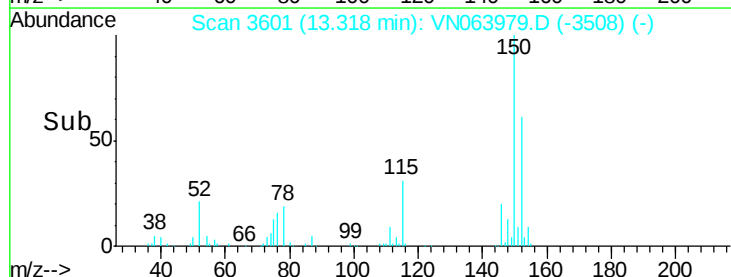
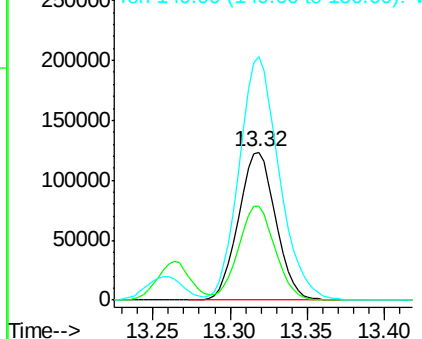


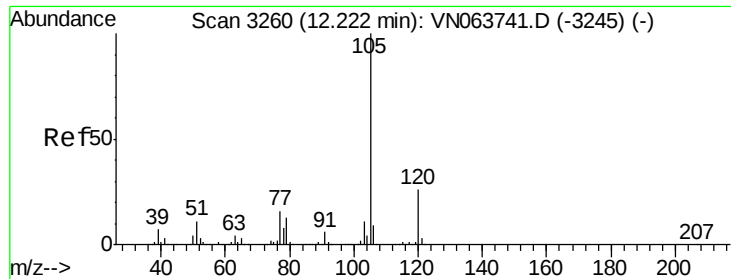
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





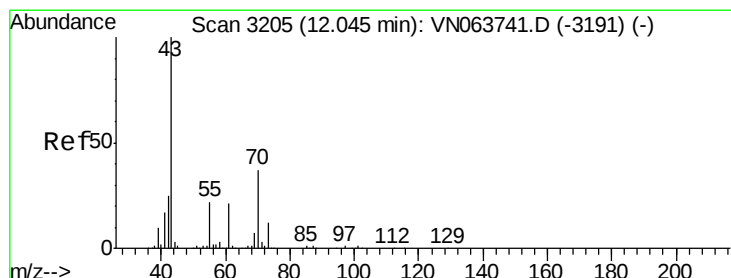
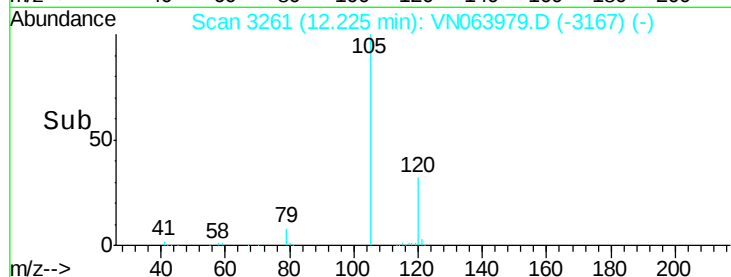
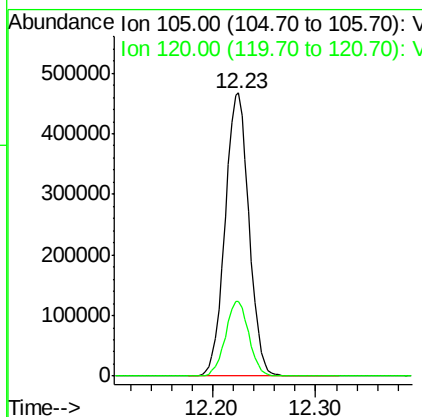
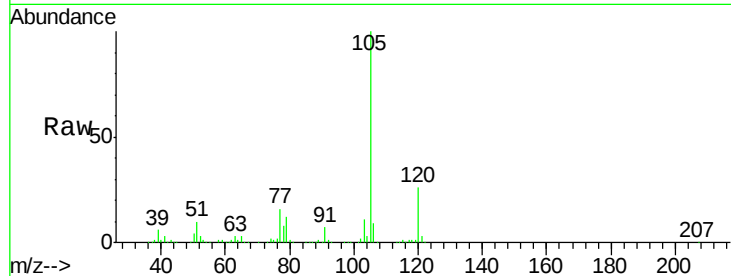
#73
Isopropylbenzene
Concen: 49.934 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.6	37.8

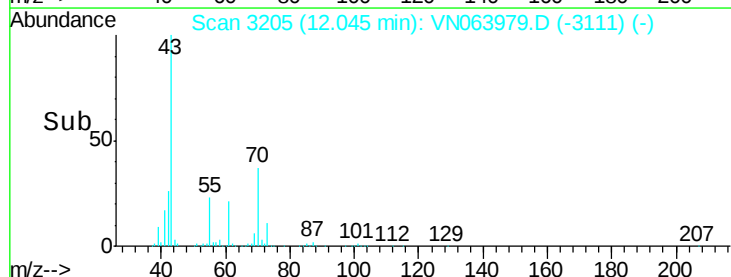
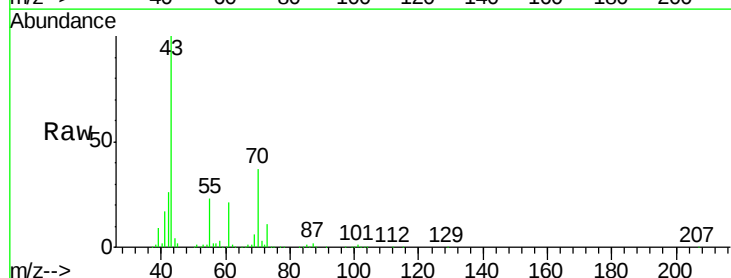
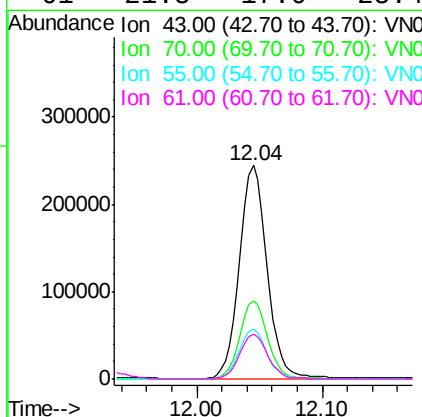
Manual Integrations
APPROVED

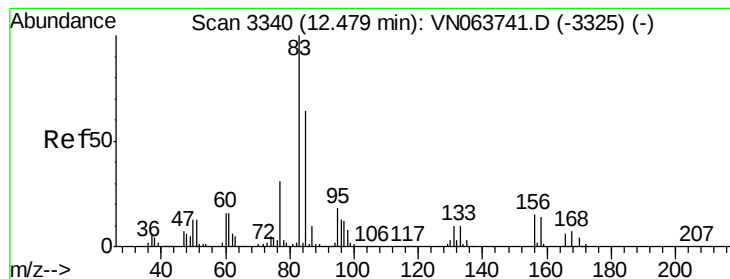
MMDadoda
10/8/2020 10:10:01 AM



#74
N-ethyl acetate
Concen: 53.340 ug/l
RT: 12.04 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.1	29.8	44.8
55	23.6	17.9	26.9
61	21.5	17.0	25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 53.951 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 248780

Ion Ratio Lower Upper

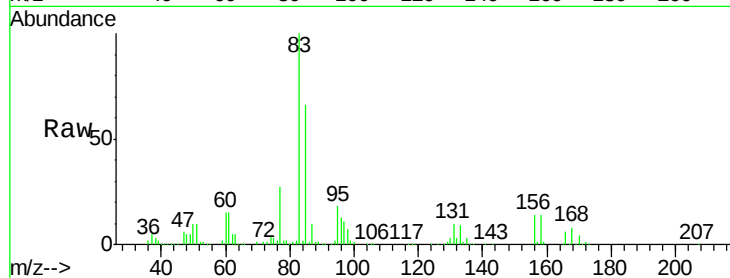
83 100

131 10.3 5.3 15.8

85 65.2 31.3 93.8

Manual Integrations
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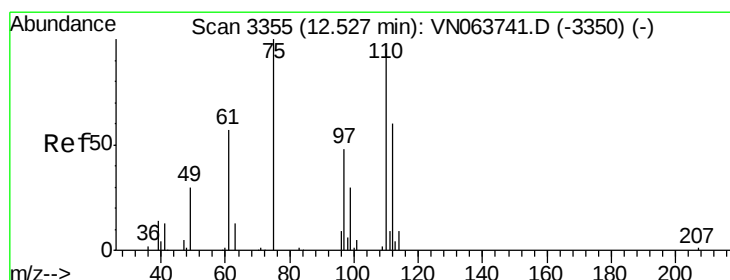
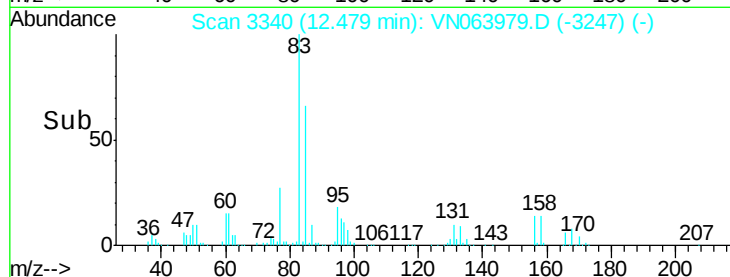
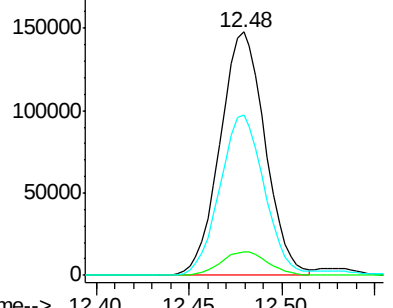
MMDadoda
10/8/2020 10:10:01 AM



Abundance Ion 82.90 (82.60 to 83.60): VN063979.D (-3247) (-)

Ion 130.80 (130.50 to 131.50): VN063979.D (-3247) (-)

Ion 84.90 (84.60 to 85.60): VN063979.D (-3247) (-)



#76

1,2,3-Trichloropropane

Concen: 51.211 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN063979.D

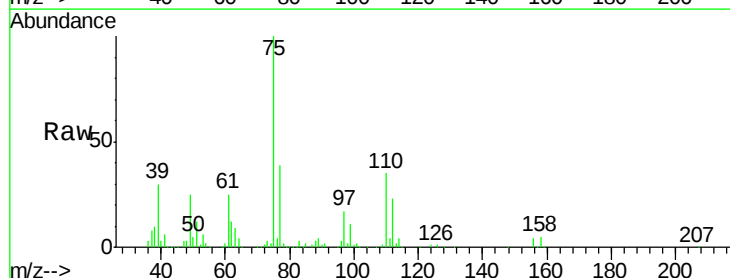
Acq: 8 Oct 2020 7:17

Tgt Ion: 75 Resp: 233393

Ion Ratio Lower Upper

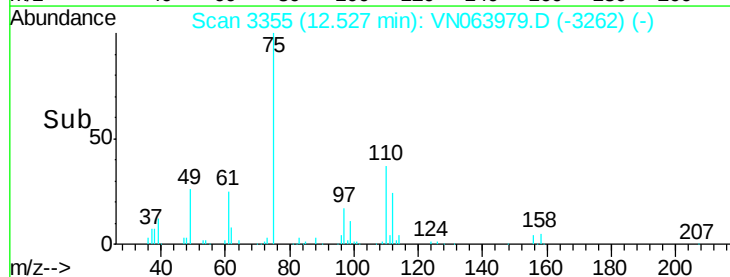
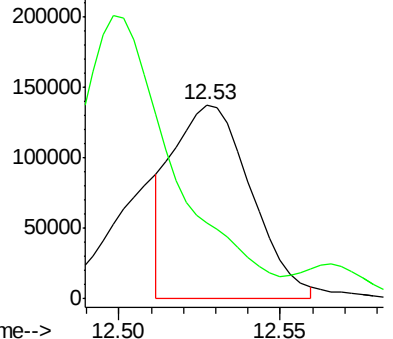
75 100

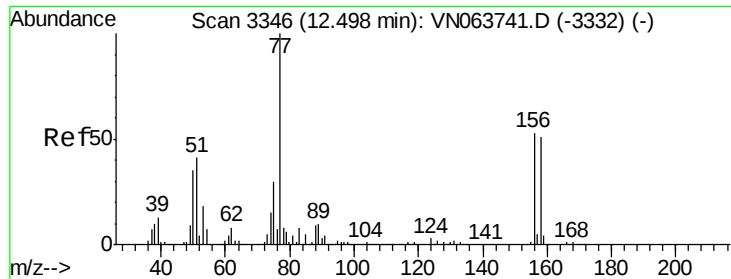
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063979.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN063979.D (-3262) (-)





#77

Bromobenzene

Concen: 50.896 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

Instrument :

MSVOA_N

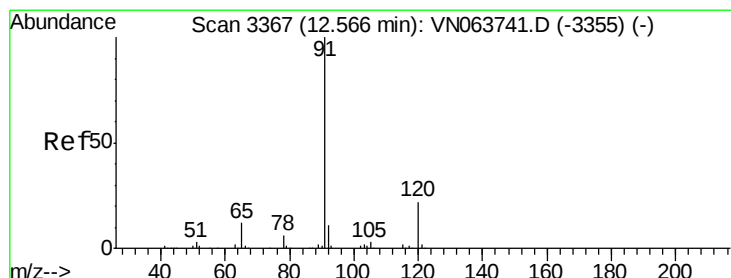
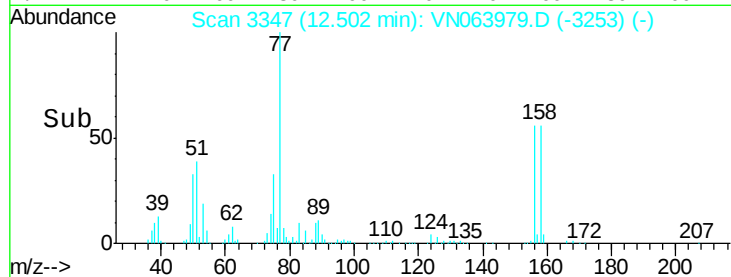
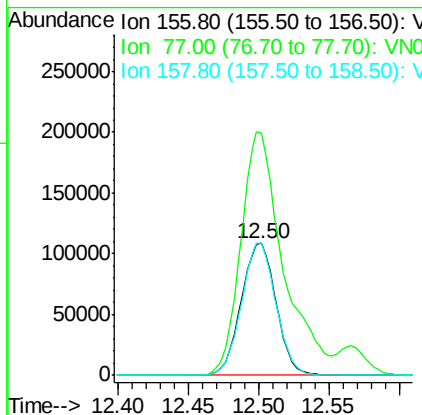
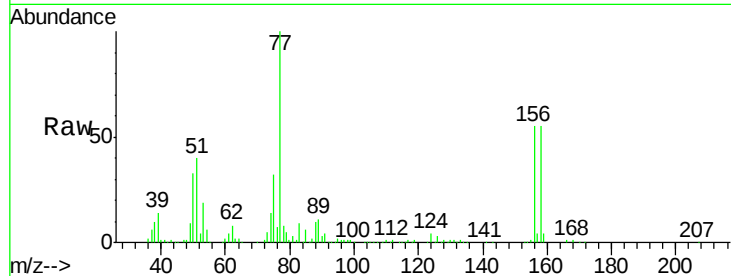
ClientSampled :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	222.8	110.9	332.7
158	99.1	47.7	143.1

Manual Integrations
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MMDadoda
10/8/2020 10:10:01 AM



#78

n-propylbenzene

Concen: 49.355 ug/l

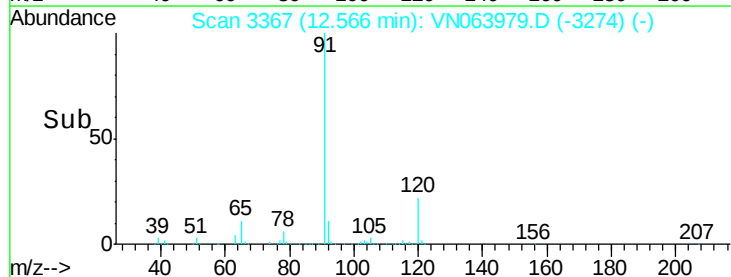
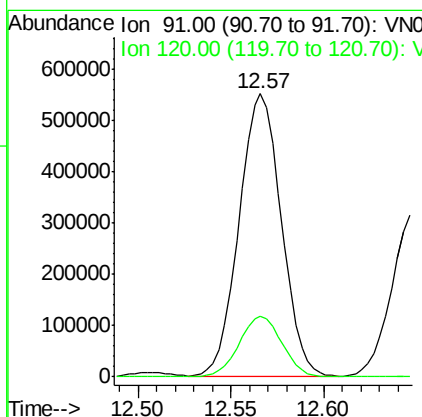
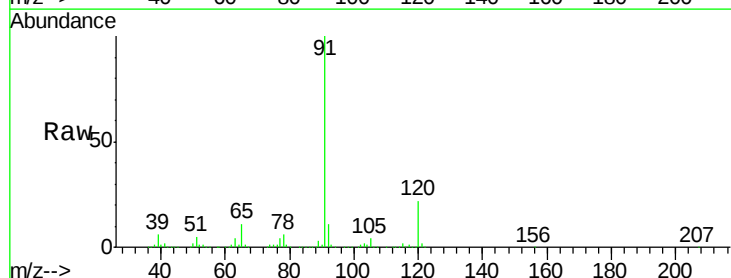
RT: 12.57 min Scan# 3367

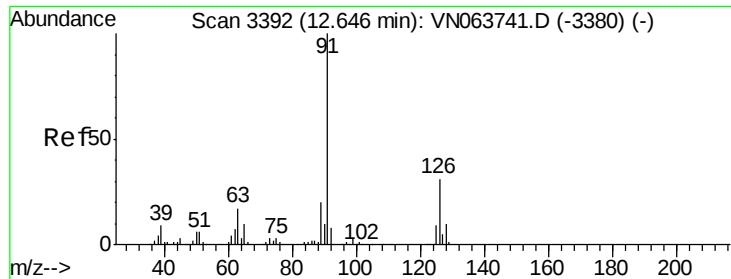
Delta R.T. 0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.1	33.1





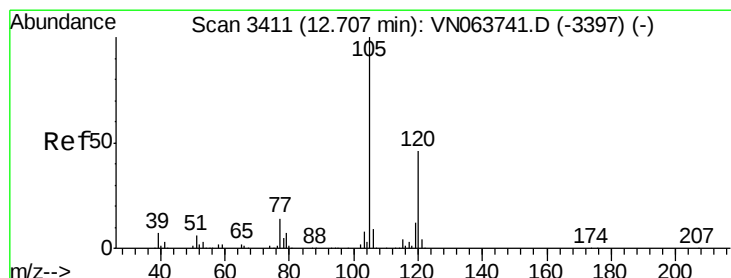
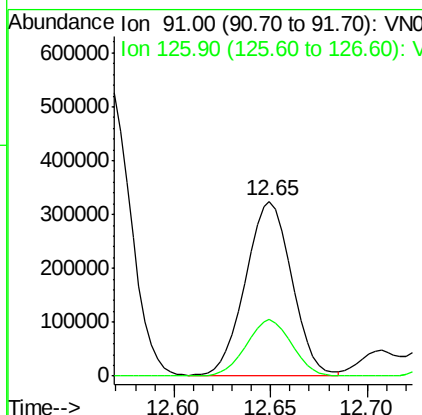
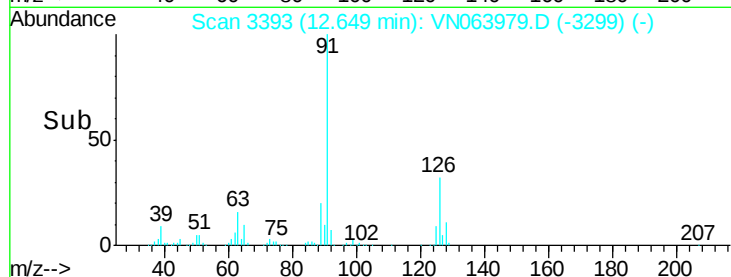
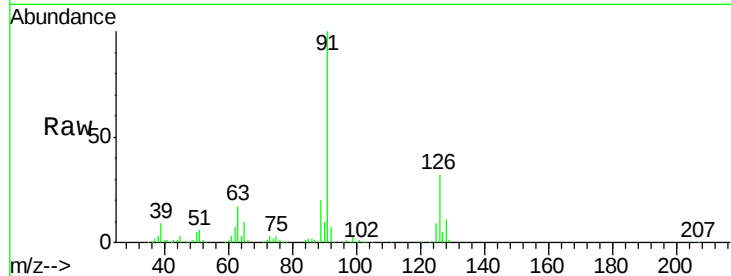
#79
 2-Chlorotoluene
 Concen: 49.564 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VN063979.D
 Acq: 8 Oct 2020 7:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 534968
 Ion Ratio Lower Upper
 91 100
 126 32.2 15.9 47.7

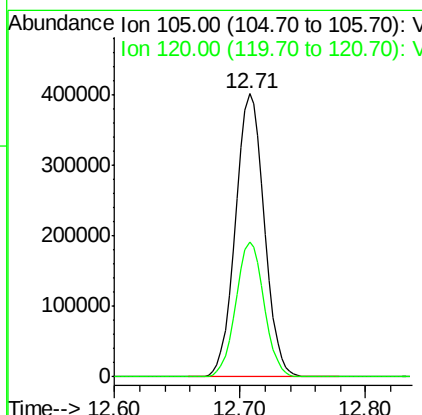
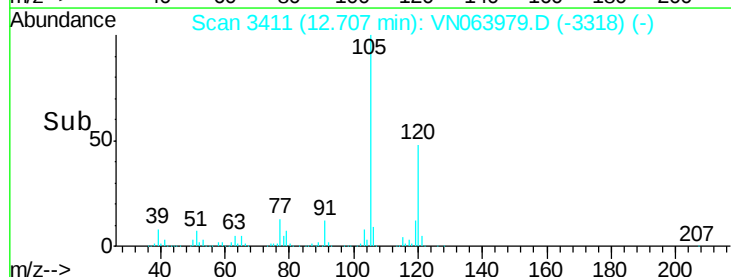
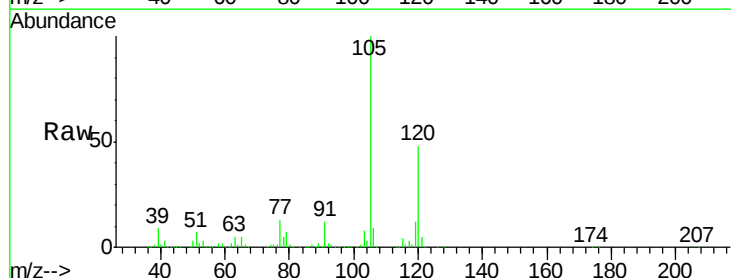
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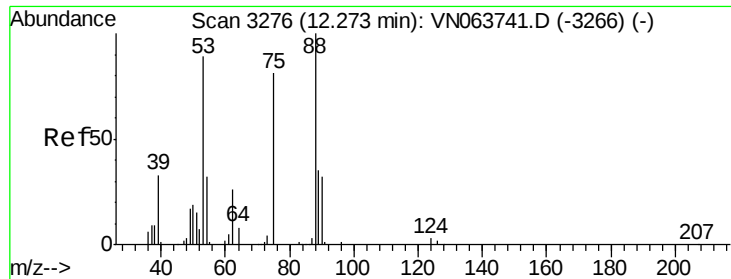
MMDadoda
 10/8/2020 10:10:01 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.421 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN063979.D
 Acq: 8 Oct 2020 7:17

Tgt Ion: 105 Resp: 637885
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.3 69.9





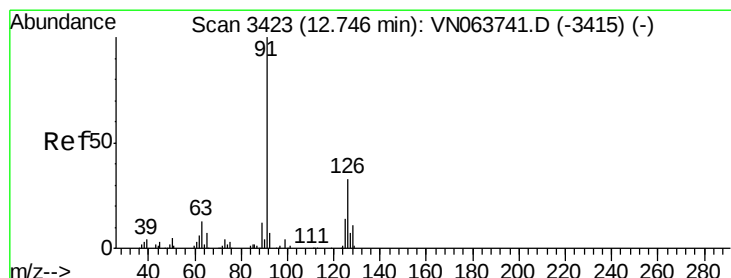
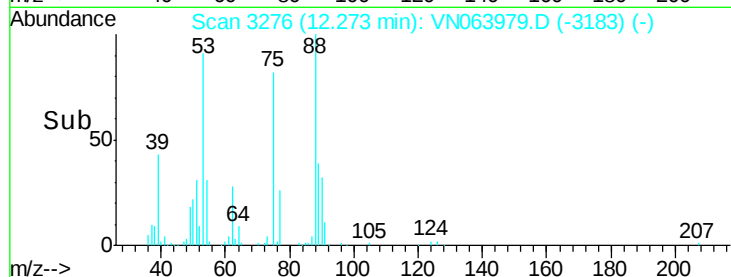
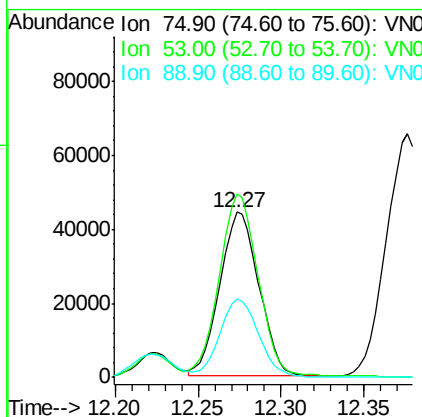
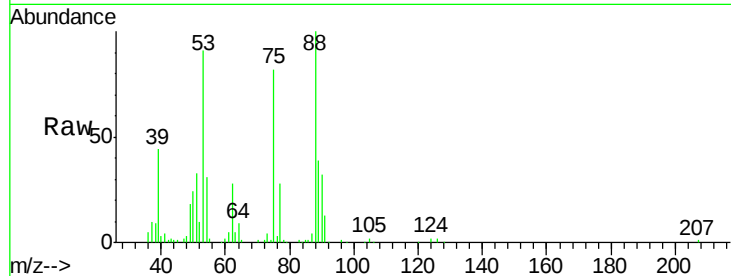
#81
trans-1,4-Dichloro-2-butene
Concen: 46.081 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.1	88.2	132.2
89	46.8	36.0	54.0

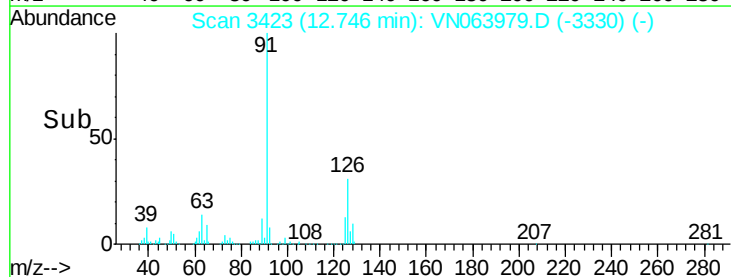
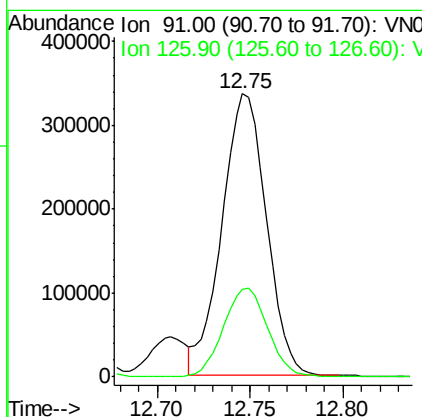
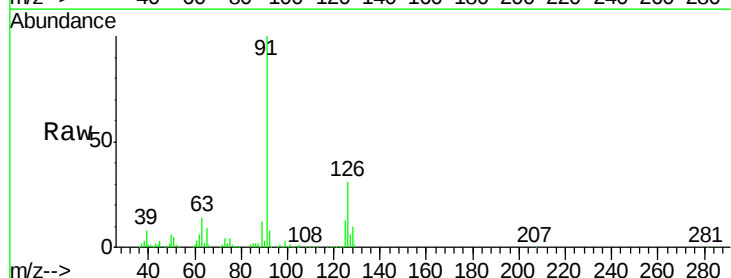
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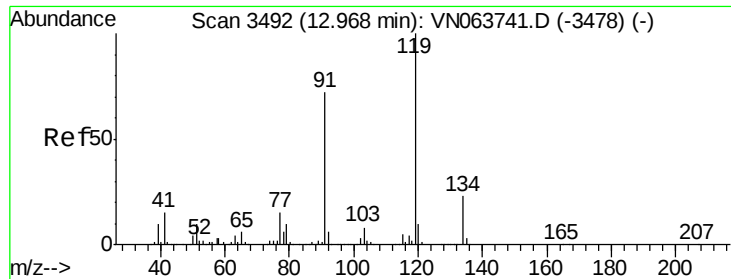
MMDadoda
10/8/2020 10:10:01 AM



#82
4-Chlorotoluene
Concen: 49.886 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.4	46.2





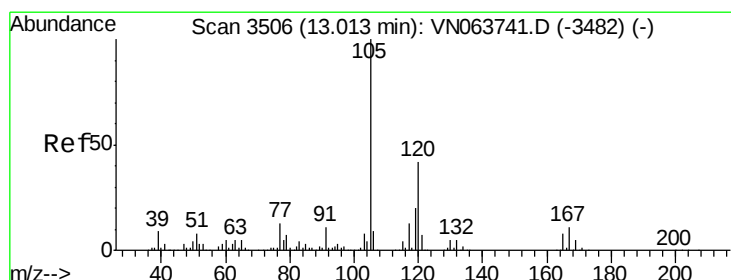
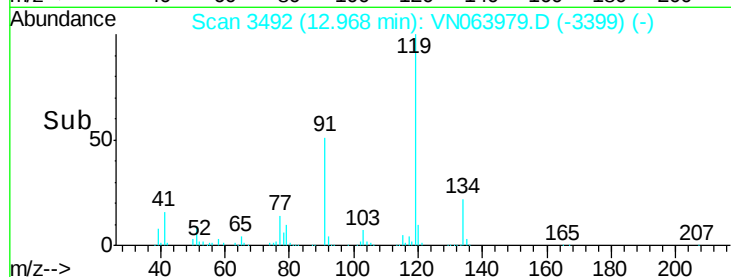
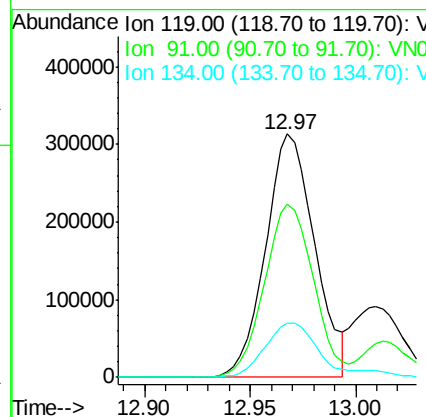
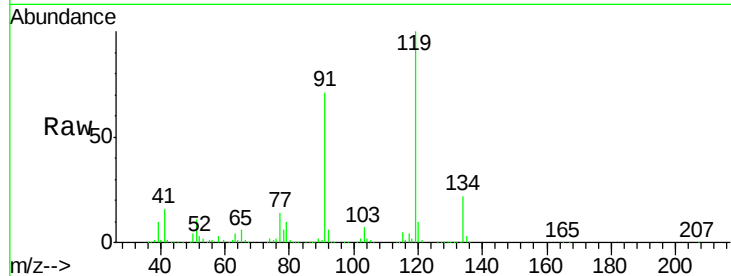
#83
tert-Butylbenzene
Concen: 49.090 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.0	35.5	106.5
134	25.8	11.7	35.1

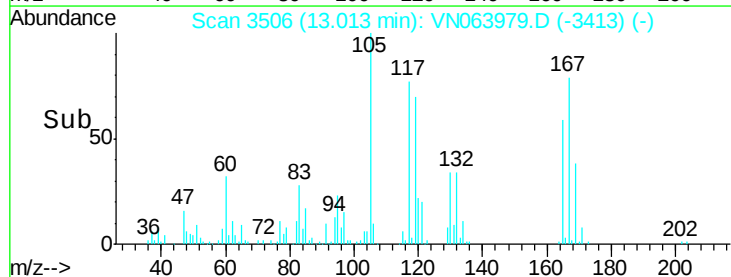
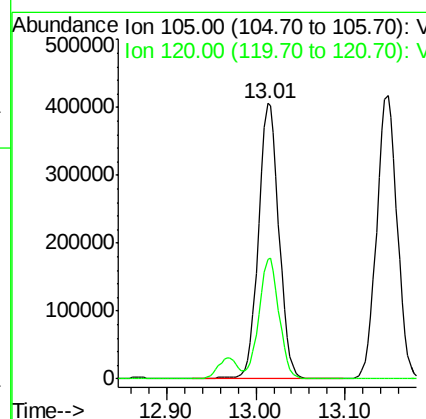
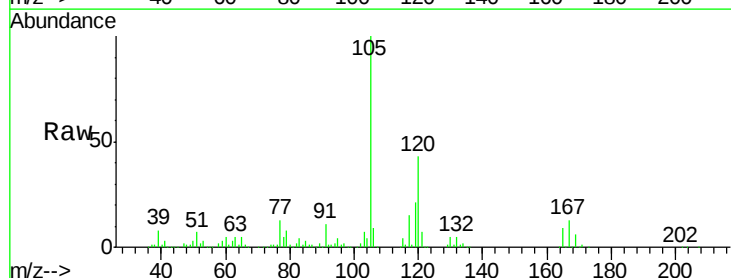
Manual Integrations
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10/8/2020 10:10:01 AM



#84
1,2,4-Trimethylbenzene
Concen: 51.674 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.4	20.9	62.7





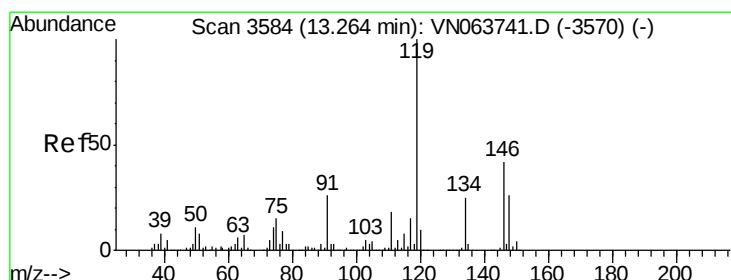
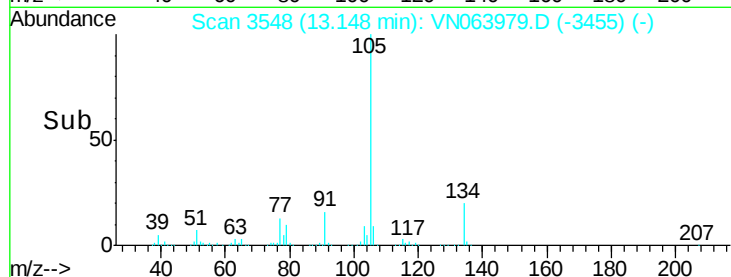
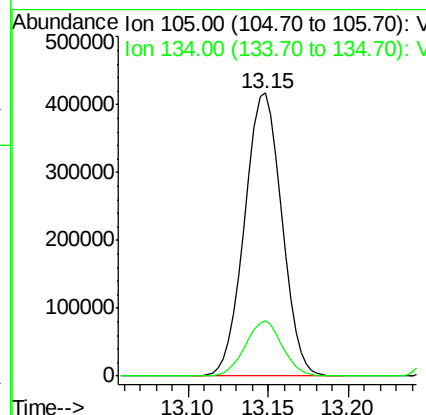
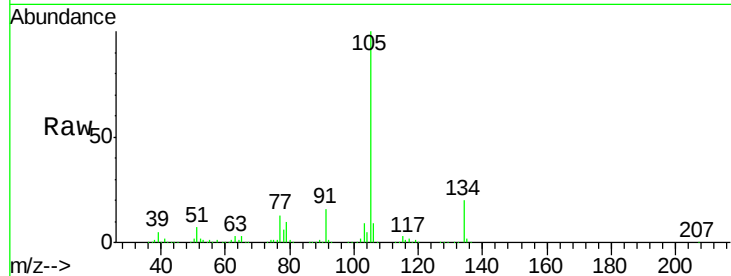
#85
 sec-Butylbenzene
 Concen: 48.492 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063979.D
 Acq: 8 Oct 2020 7:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.5	28.5

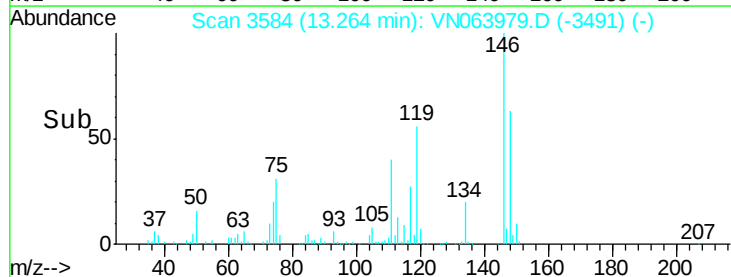
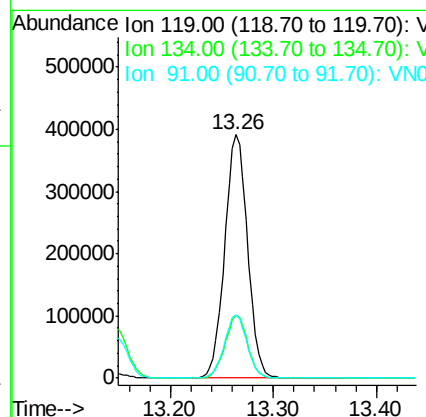
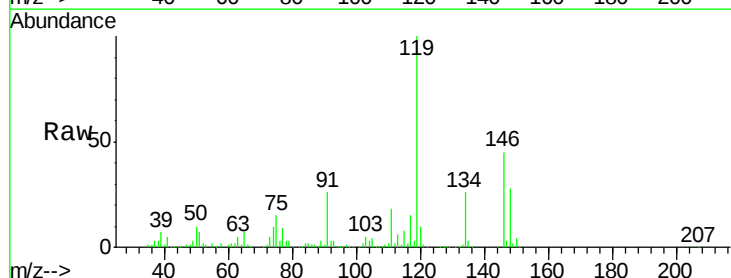
Manual Integrations
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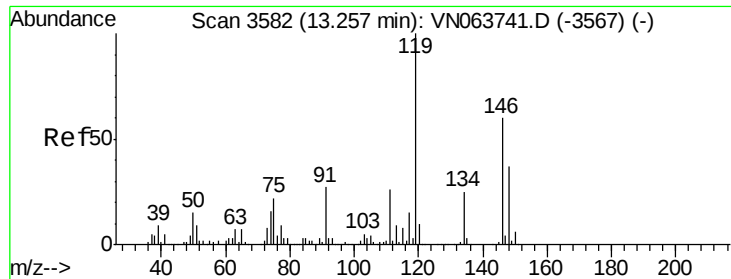
MMDadoda
 10/8/2020 10:10:01 AM



#86
 p-Isopropyltoluene
 Concen: 49.923 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN063979.D
 Acq: 8 Oct 2020 7:17

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.6	37.8
91	25.3	13.4	40.2





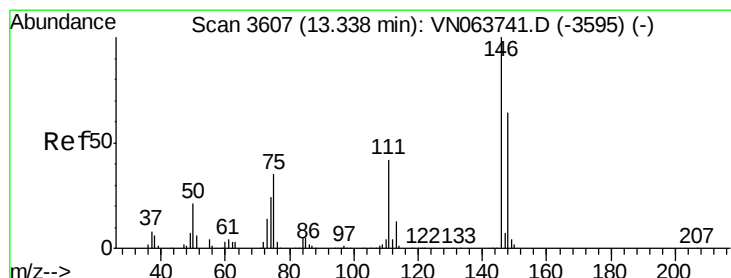
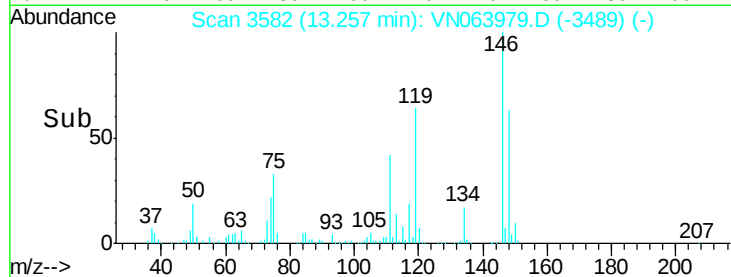
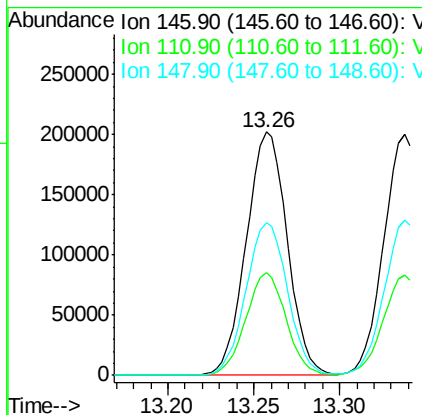
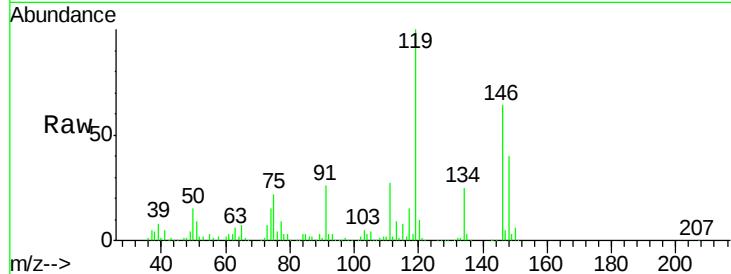
#87
 1,3-Dichlorobenzene
 Concen: 49.903 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063979.D
 Acq: 8 Oct 2020 7:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.5	64.5
148	63.8	31.1	93.3

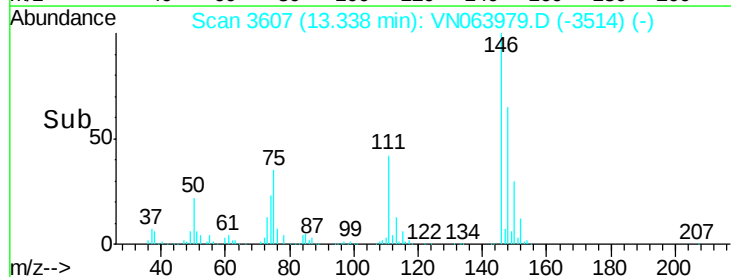
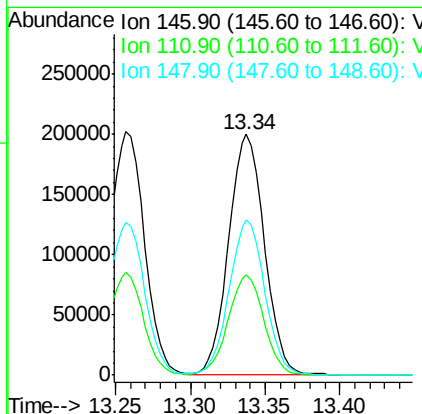
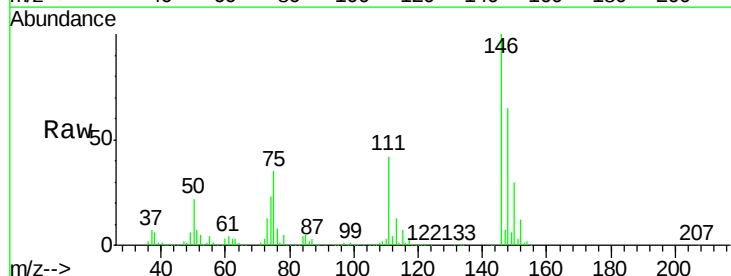
Manual Integrations
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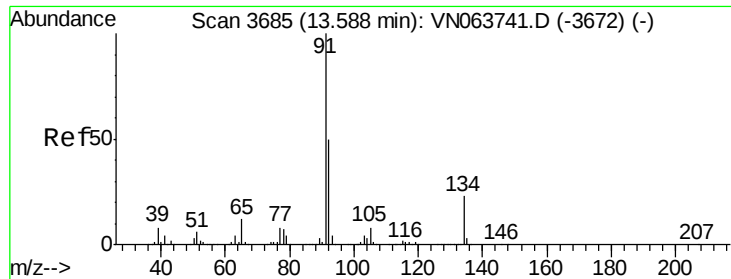
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 10/8/2020 10:10:01 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.532 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063979.D
 Acq: 8 Oct 2020 7:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.3	63.7
148	64.1	32.0	96.0





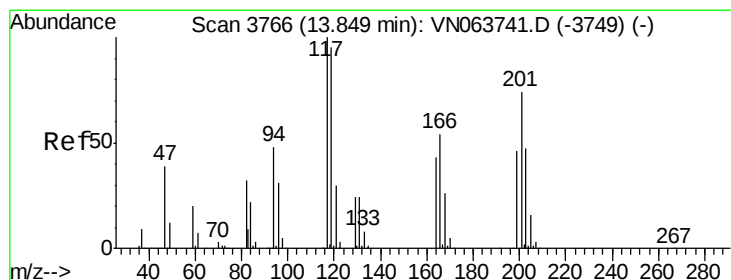
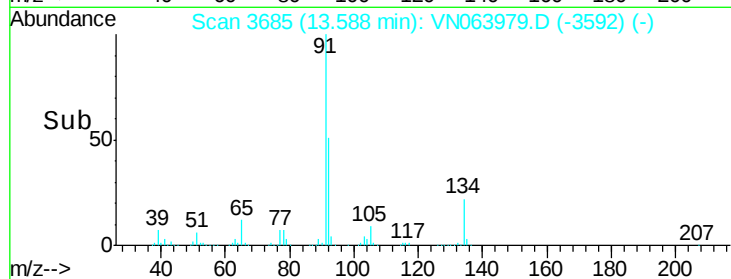
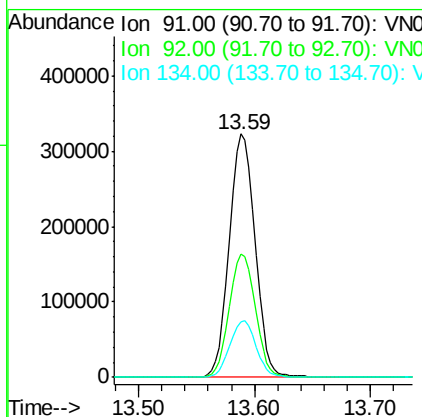
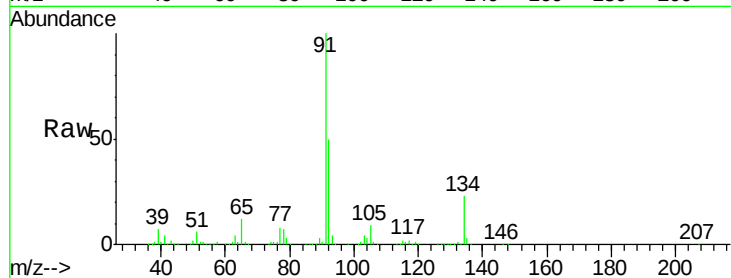
#89
n-Butylbenzene
Concen: 44.701 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.4	76.4
134	23.5	11.7	35.1

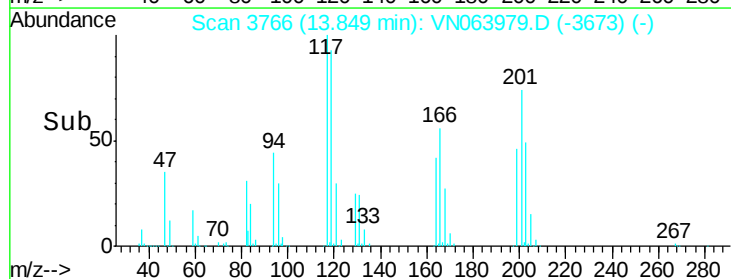
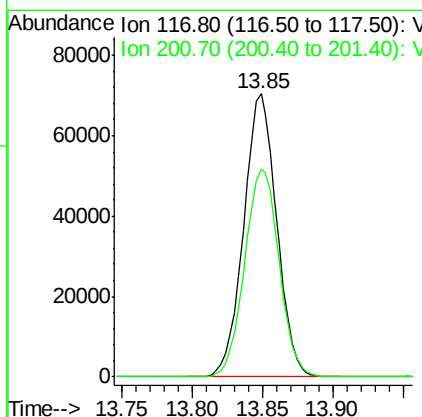
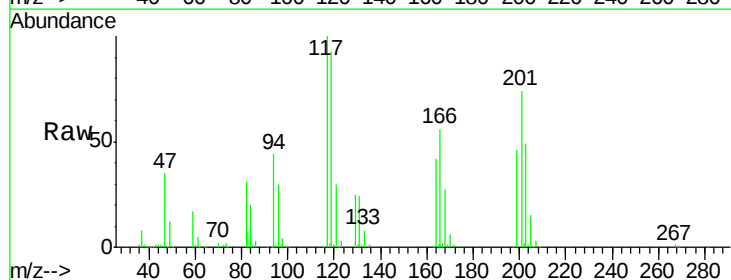
Manual Integrations
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10/8/2020 10:10:01 AM



#90
Hexachloroethane
Concen: 49.574 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063979.D
Acq: 8 Oct 2020 7:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.7	36.0	108.0





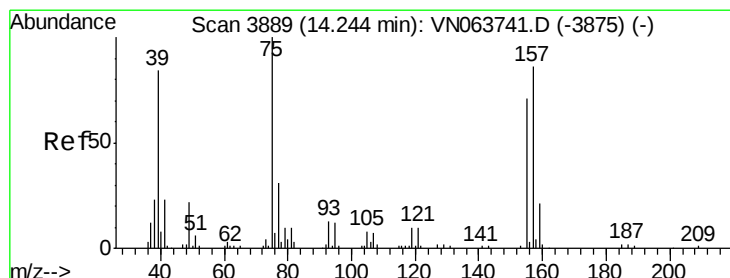
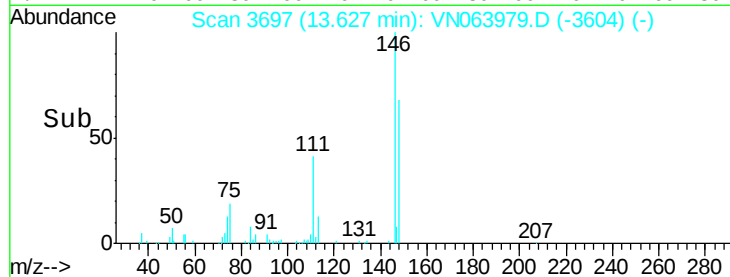
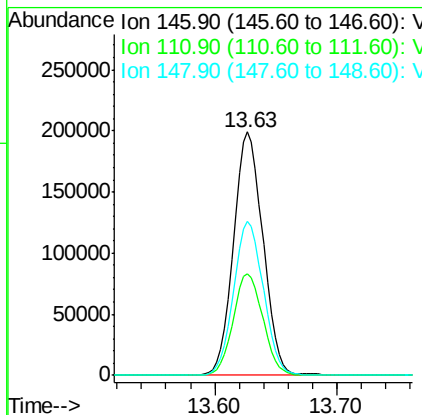
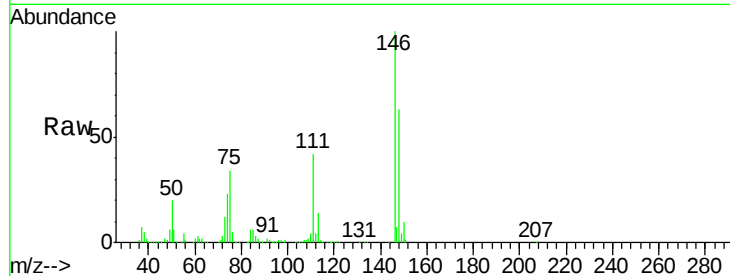
#91
 1,2-Dichlorobenzene
 Concen: 50.282 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063979.D
 Acq: 8 Oct 2020 7:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	22.2	66.6
148	64.1	32.5	97.4

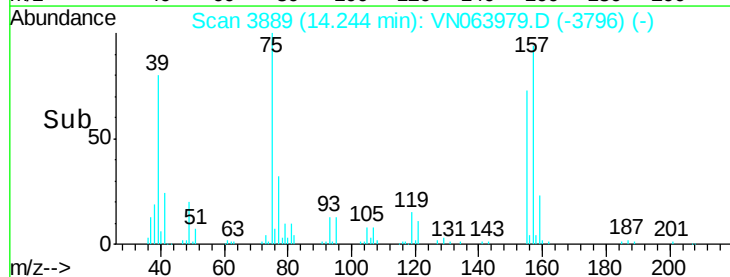
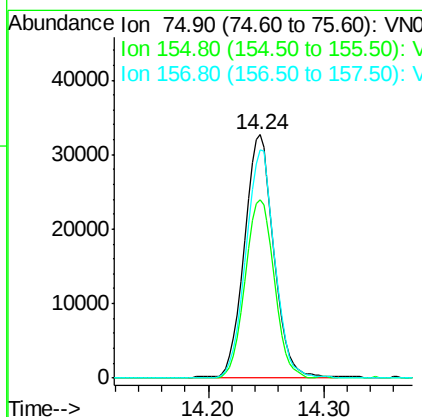
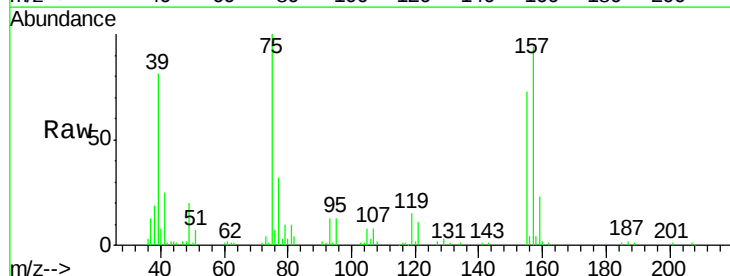
Manual Integrations
 APPROVED

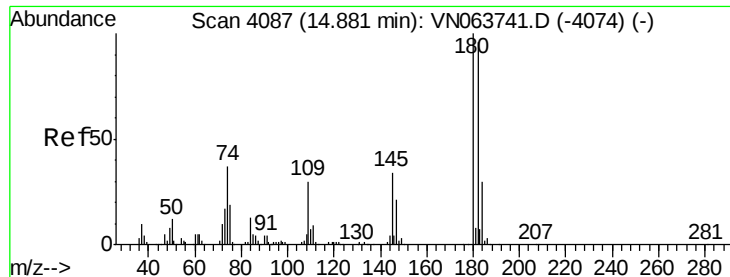
MMDadoda
 10/8/2020 10:10:01 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.560 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063979.D
 Acq: 8 Oct 2020 7:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.5	34.8	104.5
157	91.9	43.7	131.1





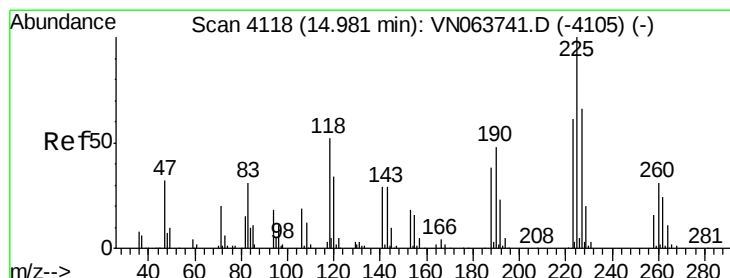
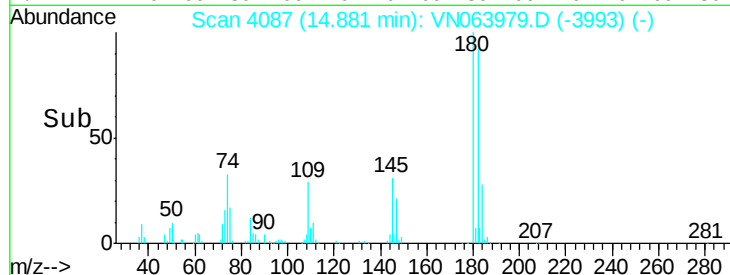
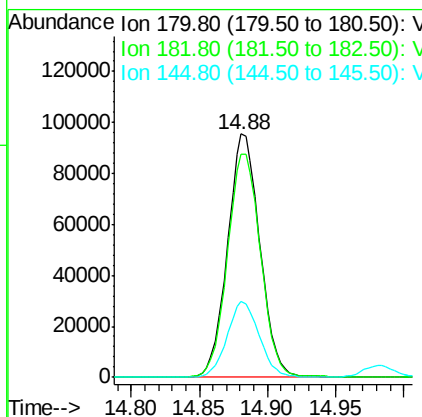
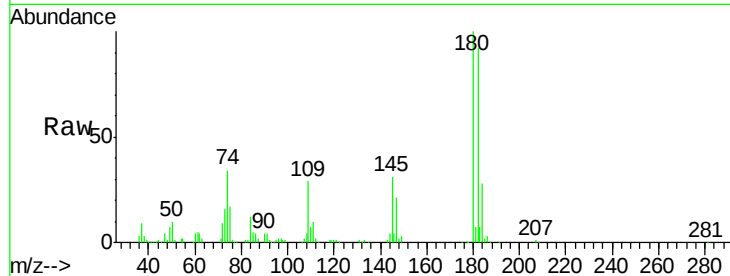
#93
 1,2,4-Trichlorobenzene
 Concen: 43.835 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN063979.D
 Acq: 8 Oct 2020 7:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	157240		
182	94.4	48.2	144.6	
145	31.2	17.1	51.2	

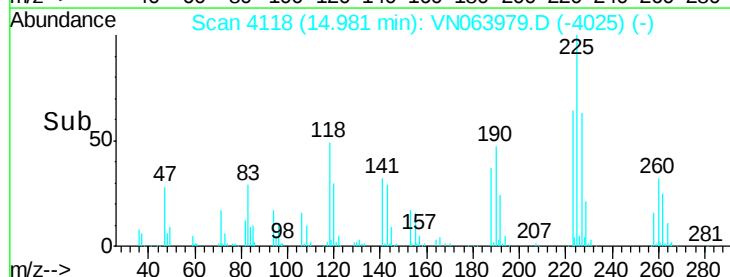
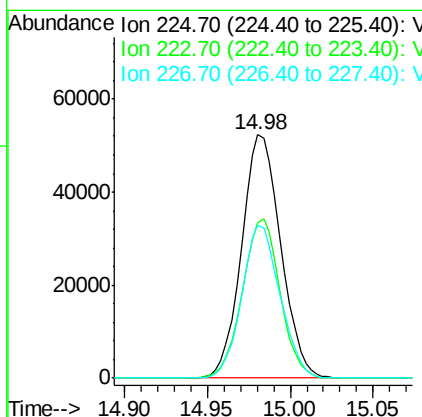
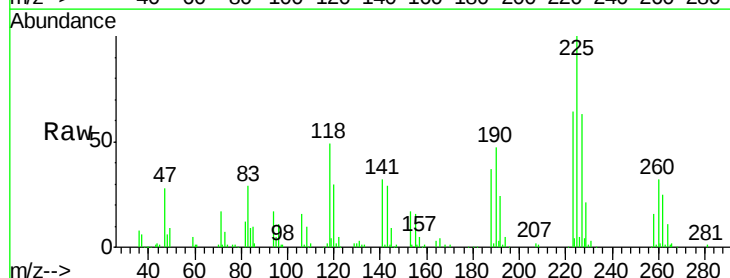
Manual Integrations
 APPROVED

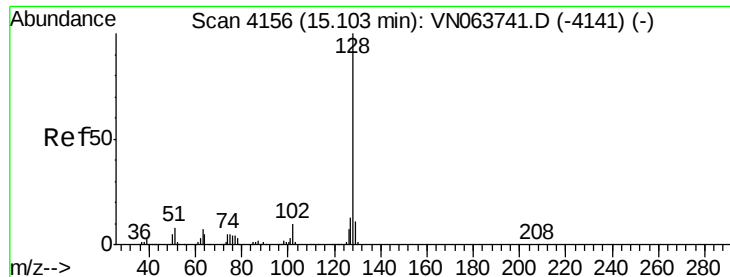
MMDadoda
 10/8/2020 10:10:01 AM



#94
 Hexachlorobutadiene
 Concen: 47.705 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN063979.D
 Acq: 8 Oct 2020 7:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	85756		
223	63.2	30.3	91.0	
227	61.2	31.9	95.5	





#95

Naphthalene

Concen: 43.857 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

Instrument :

MSVOA_N

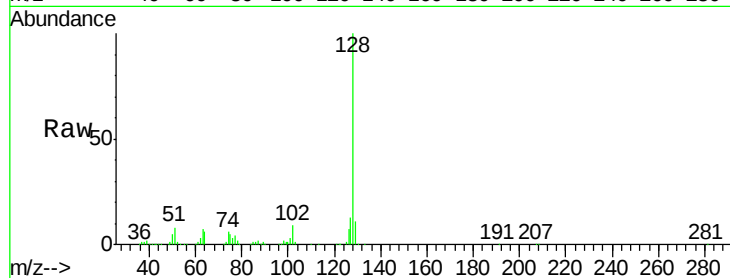
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	486508
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
APPROVED

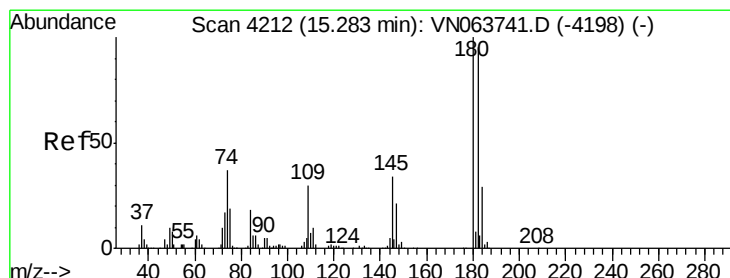
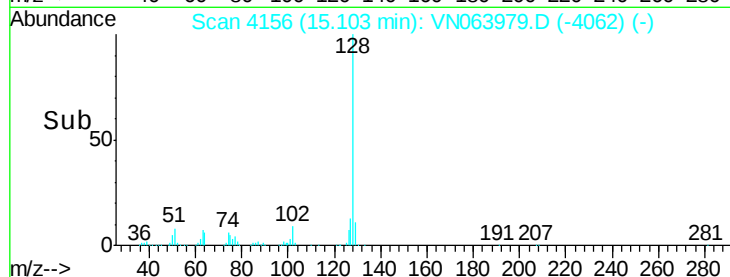
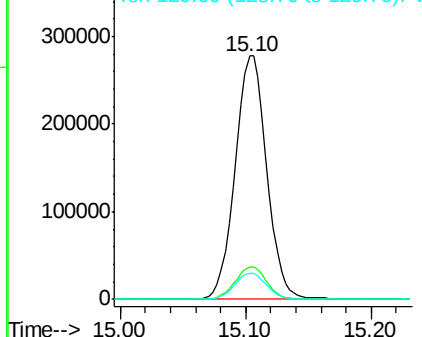
MMDadoda
10/8/2020 10:10:01 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 44.525 ug/l

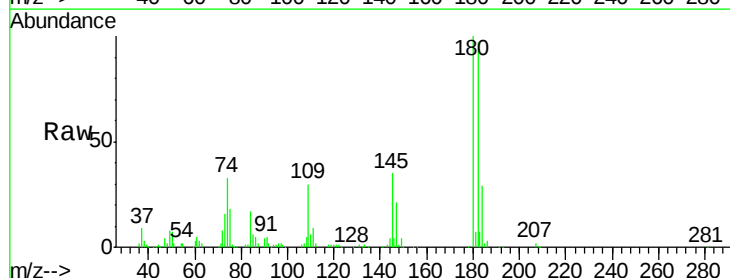
RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN063979.D

Acq: 8 Oct 2020 7:17

Tgt Ion:	180	Resp:	155075
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.9	143.6
145	35.0	17.2	51.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

